INTERNSHIP REPORT

KOKILA PILLAI

1946

GYTWorkz Technologies Pvt. Ltd.   **Goa University**

Report Of Internship Done At GYTWorkz Technologies Pvt. Ltd.

Submitted By:

KOKILA PILLAI

MCA Semester VI

1946

Under The Guidance Of

Mr. Gandhar Sanzagiry
Principal Architect
GYTWorkz PVT. LTD.

Mr. Srihari Palivela
Application and ML Engineer
GYTWorkz PVT. LTD.

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May 31, 2022

CERTIFICATE

This is to certify that Ms. Kokila Pillai (Roll No: 1946), a final year student of Goa University has successfully completed the project "BOT TECHNOLOGY PLATFORM - Chat Bot - Front end Technology" at GYTWorkz Technologies Pvt. Ltd, during her internship from 10-Jan-22 to 31-May-22.

During the internship Kokila has demonstrated high initiative and enthusiasm for learning. She worked towards quality improvements and implemented them with minimal guidance. Her efforts to learn and ensure consistency are exceptional.

We at GYTWorkz wish her a successful career ahead!

Yours sincerely
GYTWorkz Technologies Pvt. Ltd

GOA UNIVERSITY

GOA BUSINESS SCHOOL

Certificate of Evaluation

This is to certify that **Ms. Kokila Pillai** has been evaluated for the project work titled **"Report of Internship done at GYTWorkz Technologies Pvt Ltd"** undertaken at **GYTWorkz Technologies Private Limited, Hyderabad,** in partial fulfilment for the award of the degree in Master of Computer Application.

_____   _____

Examiner 1   Examiner 2

Place: **Goa University**   _____

Date: **11th June 2022**   Dean, Goa Business School,

Goa University

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Acknowledgement_____

Interning in a company is a golden opportunity for learning and self development specially to have so many wonderful people led me through this internship period. The internship wouldn't be complete without expressing my gratitude and appreciation to all the people who made it possible.

I would like to thank Mr. Bhasker Reddy Kothapally (CEO, GYTWorkz) , Mrs. Rachana Kothapally (HR, GYTWorkz) and Mr. Bharadwaj Sunkenapelly(HR, GYTWorkz) for giving me the opportunity to intern at GYTWorkz

My sincere gratitude to Mr. Srihari Palivela (Application and ML Engineer, GYTWorkz) for being my mentor and giving me the advice, necessary guidance and support.Your leadership made my internship a positive and rewarding experience.

My greatest appreciation to Mr. Gandhar Sanzagiry (Project Manager) for pushing me to the limits in order to enhance and polish my skills.

I would like to thank Mr. Pankaj Khatwa (User Experience Architect, GYTWorkz), for giving me a chance to explore different technologies. Also, Mr. Nitturi Ophir Raju(SDE-2, GYTWorkz),for guiding me in the technology I was working on.

I would like to extend my gratitude to Ms. Yma Pinto (Program Director, MCA, Goa Business School), Mr. Ramdas Karmali (Prof and TPO, DCST, Goa University), and Mr. Jarret Fernandes (Prof, DCST, Goa University) and all the teaching and non-teaching staff of DCST for their constant encouragement and support.

Finally, I would like to express my gratitude towards the GYTWorkz family who were always ready to help me and guide me in all aspects of life. They have transformed me into a new and renewed person ready to face head-on any challenges that come my way.

<div align="right">-Kokila Pillai</div>

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Table of Contents_____

Contents

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INTRODUCTION_____

This report is a short description of my full-time internship at GYTWorkz.

I joined as an Intern at GYTWorkz on 10th January 2022 and have been here since then. This report contains necessary information about the organization, the projects I worked on and the other tasks and special trainings I completed in this internship period.

In the chapters that will follow, I will talk about the company, the work here, the culture, etc. Then, I shall elaborate on the projects I worked on, a brief information about the projects, and the tasks I completed.

This report highlights my learning experience and my contributions to the organization as an intern. This will describe the knowledge that I gained by successfully completing the tasks that were assigned to me.

I'll also be talking about the tools and technologies that were used followed by my internship timeline.

I shall conclude by sharing my experience and how it has helped me to grow, both, on the personal and professional front.

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COMPANY PROFILE_____

Name of Company : GYTWorkz Pvt Ltd

Corporate Headquarters : The Platina, A Block , 3rd floor, 303, Gachibowli, Hyderabad, Telangana 500032

Phone Number : +91 98496 89798

Email id : support@gytworkz.com

Website : www.gytworkz.com

GYTWorkz is a product engineering company of a committed team with one strong agenda : Design and develop for the cloud. We clearly understand : "Cloud is not a location, It is a Method".

Started in 2019, we have strongly poised to partner with startup founders to make their ideas a reality. GYTWorkz has thus far helped multiple startup founders visualise their ideas. We have been successfully playing the role of a tech co-founder for various startups.

Startups we are associated with : FIIFI, ReFrame (Engage), Intro, IOTRL. Beyond startups, GYTWorkz has delivered solutions in Application Engineering (NodeJS, Java), Mobile App Development (Android, IOS, React Native, Flutter), Data Platforms (Pipelines, Analytics, BI) for global companies successfully.

Specialties

AWS, Azure, Cloud, Angular, React, React Native, Flutter, IoT, vue.js, cloud performance optimisation, and cloud cost optimisation.

Who We Are?

Engineers, designers and management professionals with clear intent on providing great and quality products. We come from varied backgrounds and that is what adds value to our experience as we deliver quality solutions. Our enthusiasm to solve problems can be quite infectious!

What We Do?

We build products that resonate quality all the way. We combine youth with experience to dish out the best of products and solutions. We provide value to your investment, and that is our hallmark.

Why Us?

Because we empathize and care. We understand you, your concerns and begin from ground up – this allows us to provide top-in-the-class and cutting-edge tech solutions. At the end of the day, we look to deliver growth by partnering with you.

PRODUCT DEVELOPMENT
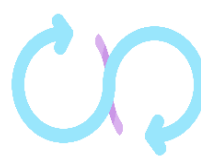
DATA ENGINEERING

UI/UX

CHATBOT TECHNOLOGY

PRODUCT DEVELOPMENT

TEAM AUGMENTATION

DEVOPS

AI TECHNOLOGY

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AskAlden(Bot Technology Platform)

Problem Statement

Customer Problems:

- Discovering products/services using the web interface is limited by the understanding of the application by the end-user.
- Inconsistency among user interfaces across different providers makes it hard for end-user.
- More cognitive stress when it comes to learning about the user interface every time the end-user comes across a new provider (especially for the elderly group).
- Comprehend all the offerings and choosing based on criteria requires an understanding of the user-interface.

Solution:
- Having a conversation with someone for discovering their offerings is more natural to humans.
- Inconsistencies in user interfaces are now normalized by conversations.
- Intuitive conversations eliminate any learning required for interaction.
- No need to understand the user interface of each provider. Just converse.

Overview

Building a bot platform that enables businesses to build and manage custom bots. Includes the customer-facing embeddable bot client and a backend admin studio to manage, monitor and administer the bots.

Tools and Technologies used

- Git
- Angular
- Material UI
- HTML,CSS
- NodeJs
- Python
- Fast API
- Postgresql Restful Services
- Micro-Services
- AWS

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My Contributions

I worked as a Frontend developer on the project. When I joined project was already developed, most of the features were already developed and were running, so I was given a task to work on them.

This includes

- ✓ Understanding the code architecture of project.
- ✓ Understand the change requirements.
- ✓ Increase efficiency and performance of project.
- ✓ Increase ease of use, add new features.
- ✓ Fix bugs in the application.

My contribution started with understanding the project and the work flow of the code and why it was needed. I had to understand the modules which was already created by my seniors and to get familiar with it, then i fixed some UI bugs, also added new features to the bot.

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Other Tasks_____

1] JBS

I was asked to build some of the portal designs for the project which includes registration page and Dashboard features.

Tools and technologies used
- HTML,CSS
- Bootstrap

2] Recipe book and Shopping list app

Overview

There are two sections, shopping list and recipe book and we will be able to manage our recipes, view them in detail and also manage our shopping list and even push ingredients from a recipe directly to the shopping list.

 Tools and technologies used

- Angular
- HTML, CSS
- Material UI

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Certifications and Trainings Completed under Internship and Self Study_____

- InterviewBit Certification
  - Fast Track Python

- GeeksForGeeks
  - Python Programming Language

- Skill Builder
  - AWS course

- Cloud academy
  - AWS course

- Udemy Certification
  - Angular- The complete guide(2022 Edition)

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Tools and Technologies Used_____

Angular

Angular is a development platform, built on TypeScript. A component-based framework for building scalable web applications.

Node.js

Node.js is an open-source, cross-platform, JavaScript runtime environment that executes JavaScript code outside a web browser.

npm

npm is a package manager for the JavaScript programming language. It is the default package manager for the JavaScript runtime environment Node.js.

Git

Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files.
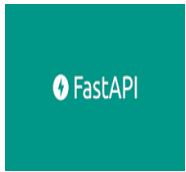
PostgreSQL

PostgreSQL is used as the primary data store or data warehouse for many web, mobile, geospatial, and analytics applications. PostgreSQL comes with many features aimed to help developers build applications, administrators to protect data integrity and build fault-tolerant environments, and help you manage your data no matter how big or small the dataset.

AWS

It's a Global platform which allows you to host and manage on net.

FastAPI

FastAPI is a modern, fast (high-performance), web framework for building APIs with Python 3.6+ based on standard Python type hints.

Python

Python is a programming language that lets you work quickly and integrate systems more effectively.

Angular Material
Angular Material offers you reusable and beautiful UI components like Cards, Inputs, Data Tables, Datepickers, and much more.

MICROSERVICES (API BACKEND)

Microservices allow developers to become language and technology agnostic. Different team members can use different programming languages and technologies when debugging and coding. Monitoring microservices lets you check your architecture for service and performance and identify future debugging problems.

Project timeline/Project diary_____

JANUARY 2022

- **Week 1:**
  1. Formal Orientation and onboarding process.
  2. Started Learning Python.
  3. Basic Python study from youtube reference.

- **Week 2:**
  o Basic Python code implementation.
  o Started a Python course on InterviewBit.
  o Completed course by answering all test challenges.

- **Week 3:**
  o Started learning Python concepts from GeeksforGeeks.
  o Learnt advance Python concepts from GeeksforGeeks.

FEBUARY 2022

- **Week 4:**
  o Learnt Flask .
  o Docker (overview and installation).
  o MongoDb(overview).
  o

- **Week 5:**
  o Postman(overview) and did all setup.
  o Task to Get MongoDb instance of Docker and to run it locally.
  o Task(CRUD) to get handson practice for creating flask endpoints and JSON to a table in mongoDb.

- **Week 6:**
  o Started with AWS course from skillbuilder.
  o learnt an overview of few AWS services from skillbuilder.

- **Week 7:**
  o Started doing a course on AWS from cloudacademy.
  o Basic introduction working with python.

MARCH 2022

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- **Week 8:**
  - Started learning how to Built AWS serverless web application with Python **.**
  - Setting up the required services,code review.
  - Unit test review,Vagrant file review.

- **Week 9:**
  - Implemented actual python code for student-api using flask.

- **Week 10:**
  - Learnt how to integrate AWS lambda with flask.
  - Dynamodb,how to interact with dynamodb with python.
  - How to add data manually to the database.
  - Implemented CRUD, how to add, delete, update and list data in Dynamodb.

- **Week 11:**
  - was been assigned to develop few portal pages for the company project.

APRIL 2022

- **Week 12:**
  - Started with a new course on Angular from Udemy.

- **Week 13:**
  - Completed the course on Angular from Udemy.

- **Week 14:**
  -

  - Started Building an Angular app as a handson practice for giving a demo on my learning.

- **Week 15:**
  - Completed an Angular app and got feedback from my senior colleague.
  - i was been added to the company project.

MAY 2022

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- **Week 16:**
  - o Started working on Chatbot Project
  - o Understood the project flow

- **Week 17:**
  - o Got assigned to complete tasks.

  1] Added a delete button to the question phrase to delete selective question for Guided.

  2] Added a delete button for the form FAQ for deleting a specific question from the question phrase.

  3] Added a status column to the table ,onclicking the option dialogue should be displayed and it should have a cancle button for closing the dialogue.

- **Week 18:**
  - o Got assigned to complete tickets.

  1] Added a SearchFilter functionality by which we can search for any record based on either Question,Topics or Tags.

  2] Fixed the SearchFilter button to support Case-Insensitive.

- **Week 19:**
  - o Worked on the tickets which was assigned to me.
    - 1] Added a back button functionality for the form Guided.
    - 2] Added a back button functionality for the form FAQ.

  3] Edit-bot: Add component pop-up should check only the components that are attached currently to the bot and remaining should be unchecked

JUNE 2022

- **Week 20:**
  - o Worked on the tickets which was assigned to me
    1] To add validation to the Guided-form component.

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2] To add validation to the FAQ form component.

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My reflections/ experiences of internship_____

My Internship at GYTWorkz has been a wonderful and growing experience. Facing newer challenges every day is a norm here at GYTWorkz.

An un-dying hunger to learn more is something that is cultivated in employees here. Being in industry and working on live projects is not something one learns but experiences.

At GYTWorkz, I was never restricted to just my project team. I was provided freedom to interact, consult seek help and guidance, etc. from any colleague.

It was a great learning experience and I consider myself honoured for being a part of GYTWorkz Pvt. Ltd.

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https://angular.io/start

https://www.javatpoint.com/angular-8

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https://material.angular.io/

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