RAMNIRANJAN JHUNJHUNWALA COLLEGE

Department of Computer Science

Ghatkopar (West), Mumbai-86

An internship report submitted for the fulfilment of the program

"*M.Sc. In Computer Science*"

By

Mr. Shaikh Mohammed Amir

Seat no: 510

M.Sc.-II (Computer Science)

University of Mumbai

2022-23

RAMNIRANJAN JHUNJHUNWALA COLLEGE

GHATKOPAR (W), MUMBAI – 400 086

CERTIFICATE

M.Sc. Part II

Computer Science

2022-23

This is to certify that Mr. Shaikh Mohammed Amir of M.Sc. Part II (Semester − IV) Seat no: 510 has satisfactorily completed the internship at ATech++. During the semester IV of 2022 − 23 as specified by University of Mumbai.

External Examiner

Prof. Mrs. Vaidehi Deshpande

In-Charge

Dept. of Computer Science.

Table of Content

CERTIFICATE

This is to certify that **Mr. Shaikh Mohammed Amir** of **Ramniranjan Jhunjhunwala** College/Institution worked as an intern as part of her MSc course in Computer Science of University of Mumbai. The particulars of internship are given below:

Internship starting date: **01-11-2022**

Internship ending date: **31-03-2023**

Actual number of days worked: **97**

Tentative number of hours worked: **582 Hours**

Broad area of work: **FLUTTER DEVELOPER**

A small description of work done by the intern during the period:
Shaikh Mohammed Amir worked on a Flutter application development project, where he contributed to the design, development, and maintenance of the application. He worked closely with the development team to design and implement new features, which required them to write clean and maintainable code. He also conducted testing and debugging to ensure that the application was running smoothly and met the project's requirements. Throughout the internship, He showed great collaboration and communication skills, working closely with team.

Signature:

Name: **Abdul Mateen Khan**

Designation: **Director & Co-Founder**

Contact number: **+91 7977772776**

Email: **info@atechplusplus.com**

11-april-2023

Professional Evaluation of intern

Name of intern/employee: **SHAIKH MOHAMMED AMIR**
Of College/institution: = **Ramniranjan Jhunjhunwala College**
[Note: Give a score in the 1-5 scale by putting √ in the respective cells]

Sr No	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1	Attendance		✓			
2	Punctuality		✓			
3	Adaptability	✓				
4	Ability to shoulder responsibility	✓				
5	Ability to work in a team	✓				
6	Written and oral communication skills		✓			
7	Problem solving skills	✓				
8	Ability to grasp new concepts	✓				
9	Ability to complete task	✓				
10	Quality of work done		✓			

Comments:
Shaikh Mohammed Amir consistently demonstrated punctuality and good time management skills. He had great adaptability and showed willingness to learn. Additionally, He had good attendance and communication skills, actively participating in team meetings and assignments.

Signature:

Name:**Abdul Mateen Khan**
Designation: **Director & Co-Founder**
Contact number: **+91 7977772776**
Email: **info@atechplusplus.com**

11-april-2023

Flutter Developer
(Flutter App Development and Tech Support for ATech++)

Description of the Organization

We are a digital transformation consultancy and software development freelancing organization with over 10 years of experience in the IT industry. Our expertise lies in delivering cutting-edge solutions to global organizations. We specialize in designing, developing, and deploying small and large-scale software application solutions that are tailored to meet the unique requirements of our clients.

Our team of professionals has extensive experience in the full cycle development process, starting from the acquisition and specification of project requirements to the architecture design, development, testing, and deployment phase of a project. Our success has led to the adoption of our software solutions by many satisfied customers.

With our commitment to delivering high-quality solutions, we have mastered the art of developing software applications that meet the ever-changing demands of the industry. We are confident that our experience and expertise will enable us to provide your company with customized solutions that will help transform your digital landscape.

Team Size: 12

Geographical Presence:

- **Block 3A, Street No : 4, Jabriya Kuwait 46300 (Sales Head office)**
- *Major Software Development Process- Work From Home*

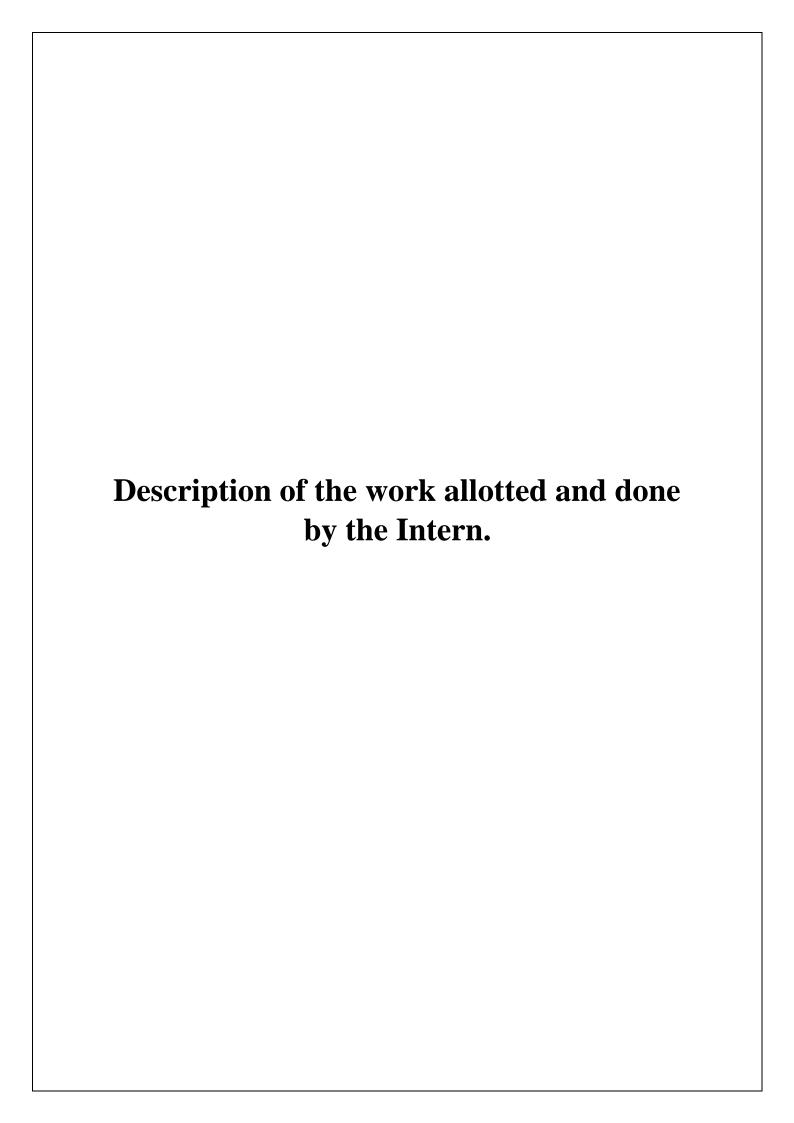**Website** : **http://atechplusplus.com/**

Email: info@atechplusplus.com

Here are some additional details about:

1- <u>Services</u>: **ATech++.** offers a wide range of services to cater to various technology needs. This includes software development, web design and development, mobile app development (for iOS, Android, and cross-platform), UI/UX design, e-commerce solutions, custom application development, they provide end-to-end solutions, from concept to deployment and maintenance, to help businesses achieve their digital goals.

2- <u>Technology expertise</u> **ATech++** has expertise in a wide range of technologies and frameworks, such as Java, Flutter, Python, .NET, PHP, ASP.NET, MVC , WEBAPI, Vue, Node.js, Django,

3- and more. They stay up-to-date with the latest advancements in the tech industry and adopt industry best practices to deliver high-quality solutions.

4- <u>Clients</u>

- **Food Choice** We have developed a Mobile app (Android/IOS) + Admin Panel for ordering- delivering and tracking orders seamlessly.
- **Salki** We have developed a website for showcasing their products and updating product details dynamically.
- **Anja Creation** We have developed an online system for creating and managing their invoices and payment related information.
- **YJM Medical Laboratory** We have developed a complete end to end Medical Laboratory Software + Doctor Web Portal
- **Khunji** We have developed complete end to end Inventory Software for Managing and tracking inventory items.

Description of the work allotted and done by the Intern.

Designation: Flutter Developer

Job Description:

As a Flutter Developer, you will be responsible for designing, developing, and maintaining cross platform mobile applications using the Flutter framework. You will work closely with a team of software engineers, designers, and product owners to create high-quality mobile applications that meet the needs of end users. Your primary focus will be on building user interfaces, implementing business logic, and integrating with backend services. You will also be responsible for troubleshooting and resolving issues, optimizing performance, and ensuring the application is delivered on time and within budget.

Currently posted: Permanently Remote

Project working on: ATech++

Technologies Used:

- **Software:** Visual Studio, Android Studio

- **Language:** Dart

- **Database:** Django and Firebase

- **Others:** GitHub, Figma

About the project:

The Food Choice App is a revolutionary solution that leverages the power of modern technology to streamline the food ordering process for vendors. The app is developed using Flutter, which is a popular cross-platform framework for mobile app development.

This app is exclusively designed for Food Choice Gen Trad & Cont. Co. W.L.L, a leading supplier of raw materials for the food industry. The Food Choice App is aimed at simplifying the food ordering process for vendors, providing them with an intuitive and user-friendly interface to browse through a comprehensive catalogue of food items and place orders seamlessly.

The Food Choice App provides vendors with a seamless experience, making it easy for them to browse through different food categories and access a comprehensive list of items to choose from.

Vendors can also keep track of their order history, stay updated on the latest offers, and monitor the status of their recent orders through the app. The app provides a robust solution that streamlines the ordering process for vendors, making it hassle-free and effortless.

The app is designed to cater to a wide range of vendors that have partnered with Food Choice. The app offers a comprehensive food item catalogue, providing vendors with the ability to browse through different categories of food items and request price and quotation.

Upon placing an order, an email notification is triggered to the sales team, and the same order is reflected in the web portal for further processing. This ensures that the entire ordering process is smooth and seamless, providing vendors with a hassle-free experience.

The Food Choice App is a game-changer in the food industry, enabling vendors to place orders effortlessly and seamlessly. The app is a robust solution that enhances the overall experience of vendors, contributing to Food Choice's vision of delivering seamless and hassle-free services to their clients. With the Food Choice App, vendors can now order raw materials regarding food with ease, saving time and effort while enhancing their overall experience.

In conclusion, the Food Choice App is a cutting-edge mobile application designed to simplify the food ordering process for vendors. The app provides a comprehensive food item catalogue, enabling vendors to browse through different categories of food items and request price and quotation effortlessly. The app is a robust solution that streamlines the ordering process for vendors, providing them with an intuitive and user-friendly interface to place orders seamlessly. With the Food Choice App, vendors can stay updated on the latest offers, monitor the status of their recent orders, and keep track of their order history with ease. The app is a game-changer in the food industry, contributing to Food Choice's vision of delivering seamless and hassle-free services to their clients.

Description of work allotted to intern:

Role: <u>Flutter Developer Intern</u>

Responsibilities/work allotted to intern

- Assist in the development and maintenance of the Food Choice App using Flutter.

- Collaborate with the design team to ensure that the user interface is visually appealing and easy to use

- Work with the Team lead to ensure that the app meets client requirements and is delivered on time

- Participate in code reviews and testing to ensure that the app is stable and meets quality standards

- Troubleshoot and debug issues reported by users or detected during testing

- Develop and maintain the database architecture of the app

- Ensure the security of user data and sensitive information stored in the app

- Stay up-to-date with the latest trends and technologies in mobile app development, including Flutter updates and database management tools

- Communicate effectively with team members and escalate issues as necessary

Self-Assessment

Overall, my experience working on the Food Choice App as an intern has been a valuable learning opportunity. I have gained practical experience in mobile app development, database management, and have developed a strong work ethic and professionalism.

Flutter development: Over the past six months, I have gained a deep understanding of the Flutter framework and have become proficient in developing mobile applications using Flutter.

UI/UX Design: Through my work on the Food Choice App, I have honed my skills in designing visually appealing user interfaces and user experiences that are easy to use and navigate.

Database Management: I have gained experience in designing and implementing a database architecture that is scalable, secure, and efficient.

Team Collaboration: Working collaboratively with other team members, I have learned to effectively communicate and contribute to the success of the project.

Troubleshooting and Debugging: I have developed proficiency in identifying and resolving issues with the app, including debugging code and testing for quality assurance.

Time Management: Through my work on the Food Choice App, I have gained experience in managing my time effectively to ensure that I meet deadlines and deliver quality work.

Professionalism: Working as an intern has allowed me to develop my professionalism and work ethic, including maintaining a positive attitude, being proactive, and taking ownership of my work.

Skills Gained: Designing, Coding, Debugging, Time Management, solving issues raised by client.

Thank You.