

REHAN PARVEZ KHAN

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EDUCATION

M.H. Saboo Siddik College of Engineering, Mumbai University, India

June 2021

Secured a Bachelor of Engineering in Information Technology with *Distinction*

CGPA 8.35/10

PROFESSIONAL EXPERIENCE

Ingram Micro, Mumbai, India

July 2021 – Present

Associate Software Development Engineer – Mobile Solutions Team

- Implementing Image search functionality in the IMOnline iOS app using MLKit and TensorFlow Lite.
- Migrated the IMOnline App from the UIKit framework to SwiftUI following the principles of Clean Architecture, reduced the inline memory consumption by 50% and screen loading time to 3 seconds.
- Integrated Okta Authentication, Adobe AEP Analytics and Crashlytics into the new IMOnline app for application security and to help the organisation understand the client's interaction with the app.
- Followed TDD approach for development and Agile Software Development Practices including weekly iterations and retrospectives.

RoboSlog, Delhi, India

May 2020 – June 2020

Software Development Engineer Intern

- Developed a COVID-19 cases web dashboard with an elegant design using PHP, MYSQL, D3.js and Covid-19 API and also led a small team of developers to meet further requirements of the client.
- Assisted the developers in creating and designing the XML layouts, writing SQL queries and Java code for some UI components for the android project titled Corona Tracker.
- Collaborated closely with other developers and digital producers to meet deadlines for clients.

SDG Society, Chennai, India

August 2019 – September 2019

Web Development Intern

- Worked closely with designers and management team to develop, document and manage their main marketing website using Vanilla JavaScript, HTML, CSS and Bootstrap.
- Built a general React Portfolio Template for the professors in the organization.
- Tested front-end code in various browsers and mobile to ensure cross-browser compatibility and responsiveness using Selenium.

ACADEMIC PROJECTS AND PAPER

A-Star Path Finding Visualizer

- Wrote a python application for visualization of A* path-finding algorithm which allows you to pick a start and end location and view the process of finding the shortest path.
- Tech Stack:- Python 3.x, Pygame

Musify

- Led a team of three to design and develop a music web application with an interactive user interface where users can search, shuffle, create his/her own playlist and manage user details.
- Tech Stack:- JavaScript, PHP, MYSQL

Waste Classification with Convolutional Neural Networks

- Examined the challenges faced due to waste on a daily basis and constructed a CNN model for classifying waste into the categories of organic and recyclable materials with an accuracy of 90.66%.
- Authored and published a paper on the same in the International Journal of Emerging Technologies and Innovative Research (JETIR) in May 2021, Volume 8, Issue 5, ISSN: 2349-5162

TECHNICAL SKILLS

- Languages: C/C++, JavaScript, Python, Java, Swift, SQL, GraphQL
- Databases: MySQL, PostgreSQL, MongoDB
- Frameworks and Libraries: Node.js, Express.js, Flask, NumPy, pandas, SciKit-learn, SwiftUI, UIKit
- Tools: Git, AWS, Docker, GitHub Actions, Postman, Swagger, Jupyter Notebook, Jira

ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES

- Represented as a finalist in ACM Mumbai Hackathon and got an internship offer from Reinovigate Tech in 2020.
- Certified as Oracle's 1Z0-931 Autonomous Database Cloud 2019 Specialist.
- Served as the General Secretary of the ACM community in M.H. Saboo Siddik College of Engineering, hosted coding contests, and events related to soccer, weightlifting, industry outreach, alumni connect, etc in the year 2019.
- Conducted a Python workshop for freshman-year students in 2019 at M.H. Saboo Siddik College of Engineering.