

# REHAN PARVEZ KHAN

rehankhan.gatsbyjs.io | github.com/khan-rehan | linkedin.com/in/rehan-khan2599 | khan.rehan2599@gmail.com

## 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*

- Migrated the old 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 & 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 designing the layouts and 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**

**Aug 2019 – Sept 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 React Portfolio Template to be used for creating portfolio websites for professors in their organization.
- Tested front-end code in various browsers and mobile to ensure cross-browser compatibility and responsiveness.

## ACADEMIC PROJECTS AND PAPERS

**A-Star Path Finding Visualizer | Github Link:-** [github.com/khan-rehan/A-star-algorithm-Visualizer](https://github.com/khan-rehan/A-star-algorithm-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 Used:- Python 3.x, Pygame

**Musify | Github Link:-** [github.com/khan-rehan/Musify](https://github.com/khan-rehan/Musify)

- Led a team of four to design and develop a music web application with an interactive user interface using LAMP stack where users can search, shuffle, create his/her own playlist and manage user details.

## Waste Classification with Convolution Neural Networks

- Examined the challenges faced due to waste on 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

- 1Z0-931 Oracle Autonomous Database Cloud 2019 Specialist.
- Finalist in ACM Mumbai Hackathon and got an internship offer from Reinvigorate Tech.
- As the General Secretary of the ACM community in the college, hosted coding contests, and events related to soccer, weightlifting, industry outreach, alumni connect, etc.
- Conducted a Python workshop for freshman-year students in 2019.