Akhil Rajan

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EDUCATION

KCC Institute Of Technology And Management   Greater Noida
B.Tech in Computer Science and Engineering — CGPA: 7.6/10   *Aug. 2017 – Sept 2021*

EXPERIENCE

Trainee Software Engineer   Dec. 2021 – Mar. 2022
Marsh McClennan   *Mumbai, Maharashtra*
- Completed training on tools and technologies.
- Worked on process automation.

Software Engineering Intern   Jan. 2021 – Feb. 2021
Widhya   *Remote*
- Created Customer Review webapp using React and Redux
- Worked on API's development.

Machine Learning Intern   June 2019 – Aug. 2019
Eckovation   *Remote*
- Created a model on Credit Score Analysis
- Worked on multiple projects that required implementation of various ML algorithms.

PROJECTS

Airline Ticket Booking System-Backend ⦾ | *Express, Node, MySQL, AWS, RabbitMQ*   Dec. 2022 – Jan. 2023
- Developed a backend web application using a **microservice architecture**.
- Developed 4 **microservice**: flight-search-service, booking-service, auth-service, reminder-service.
- Implemented authentication using **JWT** and **bcrypt**.
- Developed **REST APIs** for various use cases.
- Implemented message queue using **RabbitMQ** between booking and reminder services.
- Implemented **API Gateway** service to manage communication between services and external clients.
- Deployed on **AWS** and implemented **autoscaling** with load-balancers.

BingeKart-Ecommerce App Frontend ⦾ | *React, Redux, Firebase, Git MaterialUI*   Feb. 2023 – Mar 2023
- Developed a user-friendly frontend UI allowing users to browse, view and purchase products.
- Utilized **Firebase** as the backend for the project.
- Implemented a user authentication system enabling users to create an account, login.
- Developed a shopping cart feature, enabling users to add products to the cart and checkout.
- Used modular and reusable components while following best practices for code organization in React and **Redux**.

TECHNICAL SKILLS

Languages: C/C++, MySQL, Java, JavaScript, HTML/CSS
Frameworks: React, Node.js, Express, Jest, Material-UI, TailwindCSS
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: SocketIO, Redux-Tookit

ACHIEVEMENTS

Solved 800+ problems on Leetcode, GFG.
Secured 5th rank from 746 participants in Widhya Winternship Hackathon.