

Mohit Parmar

Software Engineer

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EXPERIENCE

• Tata Consultancy Services

November 2024 - Present

Systems Engineer

Mumbai

- Conducted detailed code reviews to ensure adherence to coding standards, best practices, and optimal performance before code merges.
- Accomplished 85%+ test coverage across multiple modules, as measured by JUnit and Mockito reports, by developing robust unit tests and conducting design reviews.
- Worked closely with developers to identify potential issues early, improve code reliability, and maintain high coding standards.

• The Bommbler

April 2024 - November 2024

Co-founder & Chief Technology Officer

Mumbai

- Led the development of a scalable, interactive email marketing platform, by integrating in-mail shopping and quizzes to enhance engagement and conversion.
- Launched and maintained a responsive company website, by focusing on seamless design, intuitive navigation, and performance optimization for mobile and desktop users.
- Designed and deployed a secure platform using five AWS services, integrating payment gateways to enhance transactions and customer experience.
- Executed two successful large-scale email campaigns, scaling the system to handle over 10,000 recipients in the first and 20,000 in the second, by applying project management and system scaling strategies.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript

Web Technologies: HTML, CSS, RESTful API

Databases: MySQL, MongoDB

Version Control: Git and GitHub

Frameworks: Node.js, ReactJs, SpringBoot

Containerization: Docker, Kubernetes

Cloud: Amazon Web Services, Google Cloud Platform

Other: Android, Flask, Machine Learning, Data Science

PROJECTS

• SimplifyMe: Content Summarization

September 2023 – April 2024

- Accomplished an 80% reduction in text length, by applying the BART transformer model to summarize research papers.
- Increased reading efficiency by 20%, by training on a dataset of 43,000+ papers and testing performance on 1,700+ documents.
- Demonstrated NLP and language processing capabilities through high-accuracy, real-world deployment.

• Automated Time Table Scheduler

September 2022 – April 2023

- Achieved a 3.5% conflict-free timetable generation, by executing 18,000+ iterations of a genetic algorithm to satisfy scheduling constraints.
- Created an accessible user interface for administrators to input constraints and manage scheduling, improving operational efficiency.

EDUCATION

• Rajiv Gandhi Institute of Technology

February 2021 - May 2024

Bachelor's in Computer Engineering

CGPA: 8.76 / 10

- Studied key areas including DBMS, OS, Computer Networks, AI, and Software Engineering and successfully led multiple academic projects, applying theoretical knowledge to practical software development challenges

POSITIONS OF RESPONSIBILITY

• App Developer Lead, Google Developer Student's Club

September 2022 - April 2023

- Led a 3-day workshop series on Kotlin Compose for Android development, engaging participants and fostering a co-operative learning environment.

CODING PROFILES

- **Leetcode :** Solved over 1000 problems covering arrays, linked lists, stacks, queues, trees, graphs, and advanced algorithms.