

Ritish Shah

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EDUCATION

Bhagwan Parshuram Institute Of Technology, Delhi

2019 - 2023

Bachelor of Technology in Electronics and Communication.

8.9 cgpa

EXPERIENCE

Software Engineer

September 2023 - Present

Wipro

Onsite

- Designed and implemented fast, robust and scalable RESTful APIs using **Node.js** and **Express.js**.
- Configured and managed multiple instances of the **Node.js** server to utilize multi-core processes using **PM2** which ensures high availability and fault tolerance.
- Used **Apache Kafka** for event driven asynchronous order processing and **Socket.IO** for real-time updates among Admins, Business Clients, and Delivery Agents.
- Employed **Redis** for session management and real-time room-based communication using **Socket.IO**.
- Engineered a **Redis Pub/Sub** communication layer to synchronize real-time events across distributed **Node.js** server instances, enabling reliable live tracking and real-time updates for Admins and Delivery Agents.
- Implemented a **RBAC** (Role-Based Access Control interface), enabling admin users to define feature-level access for different user designations across the app. This interface supports protected routes and ensures secure, efficient access management, allowing admins to grant or revoke permissions for specific features.
- Participated in **Docker** setup, configuration, and container deployment.
- Facilitated effective communication and collaboration with Operations ensuring seamless alignment of technical solutions with business requirements.

Backend Internship

March 2022 – April 2022

Escale Solutions

Onsite

- Worked on backend APIs to develop **Signup**, **Signin** for E-commerce portal.
- Fetches user data from Youtube using **OAuth 2.0**.

PROJECTS

Nest - Mart and Grocery | *MongoDB, Express.js, React.js, Node.js (MERN Stack).*

Website Link

- An E-commerce application with **CRUD** functionality. Along with features including **Signup**, **Signin**, **Forgot Password**, **Reset Password**.
- Product - **Searching**, **Filtering**, **Rating**, **Review**.
- Used **Stripe** as the payment gateway, **Cloudinary** for storing images, **Redux** for state management.
- An **Admin Panel** to manage users, reviews, shipping and all product related information.
- Deployed on - **Render** and **Github Link**

Smart Attendance System | *Python, OpenCV, face-recognition, Tkinter, XlsxWriter, and Firebase.*

Video Link

- Built an integrated application to mark students attendance automatically and efficiently.
- It comprises of three interconnected components: **Entrance System**, **Classroom System**, and **Exit System**.
- Also, a **download** feature to get a CSV file.
- Github Link**.

TECHNICAL SKILLS

Languages/Technologies/Frameworks: C++, JavaScript, HTML, CSS, Node.js, Express.js, React.js, Redux.

Databases: MongoDB, PostgreSQL, Redis.

Coursework: OOP, Computer Networks, Operating Systems, Data Structures and Algorithms.

Developer Tools: Docker, Apache Kafka, Git, Github, Postman, Jira.

ACHIEVEMENTS

- Solved 1000+ Problems on **Leetcode**.
- Attended 60+ Leetcode contests with max rating of **1612**.
- Solved 150+ Problems on **GeeksForGeeks**.