Anchal Sharma

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Summary

Full-stack Software Engineer with expertise in **React.js / Next.js**, **Node.js / FastAPI**, and **AI/ML workflow integration**. Experienced in building interactive dashboards, scalable microfrontends, and secure enterprise applications. Skilled at delivering measurable impact through performance optimization, system design, and maintainable code.

Education

Maulana Azad National Institute of Technology Bhopal ↗ *2020 – 2023*
Master of Computer Application

Barkatullah University, Bhopal ↗ *2017 – 2020*
B.Sc in Computer Science

Experience

Software Engineer *NucleusTeq Pvt. Ltd.* ↗ *Indore, India*
July 2023 – Present

- Built dashboards with **Next.js / React.js**, **React Flow**, and **Plotly.js**, improving pipeline visibility for 5k+ users.
- Developed scalable **Webpack**-based microfrontends and backend services (**FastAPI**, **Node.js**), reducing code duplication by 30%.
- Integrated real-time AI/ML workflows using **JupyterHub** and **Socket.io**.
- Strengthened security via **Keycloak SSO** and contributed to the NuoData ↗ project using **Java**, **Python**, **React**.

Software Engineer Trainee *NucleusTeq Pvt. Ltd.* ↗ *Remote*
Jan 2023 – June 2023

- Developed user registration and blog management features using **React**, **Java**, **Spring Boot**, **MongoDB**.
- Implemented role-based access for Admins and Employees, enabling content moderation and interaction features.
- Ensured code quality and testing with **JUnit 5**, **Checkstyle**, **PMD**, and **SpotBugs**.

Software Engineer Intern *Vedx India Pvt. Ltd.* ↗ *Remote*
Nov 2022 – Feb 2023

- Built mass communication dashboards for email, SMS, and WhatsApp campaigns using **Spring Boot**, **Next.js**, and **MySQL**.
- Implemented authentication, large customer data uploads, and REST API routes.
- Integrated third-party services: **Quartz Scheduler**, **RabbitMQ**, **AWS**, **Twilio**, and **WhatsApp Business API**.

Projects

Heart Disease Predictor *July 2023 – Oct 2023*

- Built ML-based heart risk prediction site using **sklearn** + **Django**, achieving 86.88% accuracy.
- Designed user-friendly interface (HTML, CSS, Bootstrap) for intuitive input.

myCrops: E-commerce Website *Aug 2021 – Nov 2021*

- Developed online F2C marketplace with **React**, **Node.js**, **MongoDB**, implementing secure authentication and checkout process.

Additional Projects: Online Mitra (Social Media), Train Reservation System

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++, SQL
Frontend: React.js, Next.js, Redux, Context API, React Flow, Plotly.js
Backend / Databases: Node.js, FastAPI, Spring Boot, MongoDB, MySQL, RESTful APIs, Microservices
DevOps / Tools: Git, VS Code, IntelliJ IDEA, Docker
Other: Microfrontends, Keycloak SSO, AI/ML integration, Performance Optimization, UI/UX Principles