

Rushabh Rode

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LinkedIn | GitHub | Portfolio

Professional Summary

Full-stack engineer and IEEE-published ML researcher graduating from VIT Pune (CGPA: 8.69). Experienced in building production web applications using React, Next.js, Spring Boot, and Docker.

Experience

Software Development Intern Aug 2025 – Nov 2025
Prime Global Workforce, Gurgaon

- Architected and deployed the company's public-facing website using React.js and Next.js, reaching 500+ monthly visitors within weeks of launch.
- Reduced front-end development time by 30% by building a library of 15+ reusable, responsive UI components, enabling faster delivery of new pages across the project.
- Implemented Next.js SSR and dynamic routing to achieve sub-2-second page load times, directly improving search engine indexability and user retention.
- Collaborated with stakeholders to translate product goals into scalable web architecture, delivering all milestones on schedule.

Projects

Library Management System React.js | Java | Spring Boot | MongoDB | Docker

- Built a full-stack library platform automating book inventory, borrow/return workflows, and overdue tracking for multi-role users (admin and member), eliminating the need for manual record-keeping.
- Designed and documented 10+ REST APIs using Spring Boot and MongoDB, modelled around real business workflows including book search, availability check, borrow, return, and overdue alerts.
- Secured the platform end-to-end with JWT-based authentication and role-based access control, and containerized the entire stack with Docker for consistent local and production deployments.

Traffic Monitoring System Node.js | Express.js | Azure Maps API | AWS EC2

- Architected a real-time traffic dashboard integrating Azure Maps API, surfacing live congestion levels and route conditions through auto-refreshing dynamic visualizations.
- Built a RESTful backend in Node.js and Express.js with request-level caching to reduce redundant API calls, lowering external API latency and cost for repeated queries.
- Deployed to AWS EC2 with PM2 process management configured for automatic restarts and zero-downtime operation, achieving high availability for the live dashboard.

Autism Detection via Eye Tracking Python | TensorFlow | ResNet18 | Random Forest

- Research published at IEEE OTCON-2025
- Built a two-stage ML pipeline — ResNet18 for deep feature extraction from eye-tracking frames, followed by Random Forest classification — to detect autism spectrum disorder from gaze patterns and fixation duration as behavioral biomarkers.
 - Achieved 95% classification accuracy across all test cases, rigorously validated using precision, recall, and F1-score to ensure clinical reliability of predictions.
 - Published findings at IEEE OTCON-2025, contributing a reproducible, non-invasive AI screening approach to the early autism diagnosis research community.

Skills

Languages	Java, Python, JavaScript, SQL, C, C++
Frameworks	React.js, Next.js, Spring Boot, Node.js, Express.js, Django
Databases	MongoDB, MySQL, PostgreSQL
Cloud & DevOps	AWS (EC2, S3), Docker, Git/GitHub, REST APIs
Tools	VS Code, Postman, Power BI

Education

Vishwakarma Institute of Technology, Pune 2022 – June 2026
B.Tech., Computer Engineering CGPA: 8.69
Relevant Coursework: DSA, DBMS, Operating Systems, Computer Networks, OOP, Machine Learning

Leadership & Extracurriculars

SWDC Secretary, VIT Pune — Led 200+ volunteers and 30+ coordinators across flagship social campaigns and large-scale campus events.

NCC Corporal — Completed national-level endurance camps demonstrating leadership, discipline, and teamwork under pressure.

Certifications

AWS Certified Solutions Architect	IBM Full Stack Developer Master Program
Microsoft Power BI (LinkedIn Learning)	Database Management Systems (NPTEL)