

Shashank Gavale

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Education

NBN Sinhgad School of Engineering <i>B.E. Computer Engineering — CGPA: 8.77</i>	Pune, India Sept 2023 – Present
Government Polytechnic, Awasari <i>Diploma in Computer Engineering — 86.80%</i>	Pune, India Dec 2020 – May 2023
JVP Nashik <i>Secondary School Certificate (SSC) — 93.20%</i>	Nashik, India March 2020

Technical Skills

Programming: C++, Python, JavaScript (ES6+), TypeScript, Java
Frontend: React.js, Tailwind CSS, HTML5, CSS3, Responsive Design
Backend: Node.js, Express.js, Django, RESTful APIs, WebSockets, JWT Authentication, Role-Based Access Control (RBAC)
Databases: MongoDB, PostgreSQL, MySQL, SQLite, Prisma ORM
Core Concepts: Data Structures, Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, Computer Networks, System Design
DevOps & Cloud: Docker, Kubernetes, CI/CD, Prometheus, Grafana, Git, Linux
Software Engineering: Unit Testing, API Design, Code Reviews, Microservices Architecture, Secure Coding

Experience

Intellicuria Pvt. Ltd. <i>Full Stack Developer Intern</i>	Remote Sept 2024 – Mar 2025
– Developed full-stack healthcare modules using React.js, TypeScript, Node.js, and Express serving real-time patient workflows	
– Designed and optimized RESTful APIs with structured validation, JWT authentication, and RBAC	
– Improved API performance through database query optimization and indexing strategies	
– Integrated WebSocket-based real-time communication features	
– Worked in Agile environment, participated in code reviews, and implemented unit testing for quality assurance	
Chaya Enterprises <i>Backend Developer Intern</i>	Nashik, India Jun 2022 – Aug 2022
– Developed RESTful APIs using Django and Django REST Framework	
– Optimized SQL queries and improved database efficiency	
– Collaborated with frontend developers for seamless API integration	

Projects

Self-Healing Microservices with AI-based Anomaly Detection	GitHub
• Designed containerized microservices architecture using Node.js and Docker deployed on Kubernetes	
• Implemented circuit breaker patterns, automated health checks, and fault-tolerant recovery mechanisms	
• Integrated Prometheus and Grafana for monitoring, alerting, and observability	
• Built Python-based anomaly detection models for proactive failure detection	
• Simulated auto-scaling and traffic throttling to improve system resilience	
Productive Pals – Real-Time Study Platform	GitHub
• Developed scalable real-time collaboration platform using React.js and WebSockets	
• Designed backend APIs using Node.js and MongoDB supporting 100+ concurrent users	
• Implemented authentication, session management, and optimized state synchronization	
• Followed modular architecture and clean code principles	
Cashflow – Personal Finance Tracker	GitHub
• Built secure full-stack finance tracker with authentication and analytics dashboard	
• Designed scalable REST APIs and structured relational database models	
• Implemented data visualization for expense tracking and reporting	

Achievements

- Solved 200+ problems on LeetCode, CodeChef, and GeeksforGeeks focusing on Data Structures and Algorithms
- Secured 2nd Place in Inter-College Web Development Competition
- President & Treasurer – COMSA Student Association, led technical events and managed operations