

Shashank Gavale

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Education

NBN Sinhgad School of Engineering

B.E. Computer Engineering — CGPA: 8.77

Pune, India

Sept 2023 – Present

Government Polytechnic, Awasari

Diploma in Computer Engineering — 86.80%

Pune, India

Dec 2020 – May 2023

JVP Nashik

Secondary School Certificate (SSC) — 93.20%

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.

Full Stack Developer Intern

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

Backend Developer Intern

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