

Vivek Shahi

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SUMMARY

Software engineer skilled in Java, SQL, backend development, and cloud-native deployments on AWS. Experienced in microservices, REST APIs, distributed systems, CI/CD pipelines, Docker, and modern DevOps practices. Strong in DSA, system design, scalable architectures, and building reliable backend services with optimized databases and low-latency performance.

EDUCATION

Vellore Institute of Technology , B.Tech in Computer Science, CGPA: 9.18 /10	2022 – 2026
St. Xavier's School , XIIth, Percentage: 80.8 %	2020 – 2021
St. Xavier's High School , Xth, Percentage: 92.6 %	2018 – 2019

PROJECTS

S.H.I.E.L.D. | *Secure Heuristic Intelligent Email Logging & Defense* | **Live** | **GitHub**

- Built a secure **NestJS** and **MongoDB** archiving system with AES-256, **OAuth 2.0**, and **10+** workflow features.
- Leveraged **Generative AI** to classify attachments, summarize email threads, and flag priority mails accurately.
- Engineered a **Cron**-based background worker and Retention Policy engine for automated archiving and cleanup.
- Created a feature-rich React dashboard with optimistic updates, smart folder filters, and fast real-time search.

Treva Trends | *Scalable Online Storefront with Admin Control Panel* | **Live** | **GitHub**

- Built **6+** admin features including order status, refunds, and **CRUD** modules with comprehensive test coverage.
- Enhanced payment system using Stripe and **JWT** authentication for more reliable transactions.
- Integrated Redux Toolkit for seamless cart operations and smoother checkout experiences.
- Revamped product pages with reviews, ratings, and enriched display components to improve user experience.

Chatify App | *Real-Time Chat App + AWS Cloud Deployment* | **Live** | **GitHub**

- Created real-time chat with **AJAX** polling, optimized MySQL queries for low-latency messaging and stability.
- Orchestrated **AWS EC2** deployment using Docker and Helm charts, configuring **Elastic IP** and stable releases.
- Integrated **CI/CD** with GitHub Actions and ArgoCD to automate testing, image builds, and production rollouts.
- Designed a containerized system with MySQL persistence, auto-setup workflows, and fully cloud-ready configs.

ACHIEVEMENTS

- Achieved Global Rank **291** (top 0.9%) among 31,000+ participants in LeetCode Biweekly Contest 167.
- Secured the **Knight** badge on LeetCode, ranking among the top competitive programmers globally.
- Ranked top **0.3**% in **Nokia Accelerate Her in Tech Hackathon 2025** penultimate round.
- National Semi-Finalist in **Flipkart GRiD 7.0** - recognized for strong problem-solving skills nationwide.
- Secured a top **0.5**% rank in CodeClash: National DSA Hackathon, June 2025.
- Finished in the top **0.6**% in the Codequezt #22 Coding Challenge by Naukri Campus.

SKILLS

- **Languages:** Java, Python, SQL, C++, JavaScript/TypeScript, Shell Scripting (Bash)
- **Cloud & DevOps:** AWS (EC2, S3), Kubernetes, Docker, Terraform, CI/CD (GitHub Actions, ArgoCD), Prometheus, Grafana, Vercel
- **Development & Architecture:** NestJS, Next.js, React, Redux Toolkit, Microservices, Distributed Systems, REST APIs, OAuth 2.0, AES-256 Encryption, Cron Jobs, GenAI-based features, Stripe API, JWT Authentication, MVC Architecture, System Design
- **Databases & Data:** PostgreSQL, MySQL (SQL), MongoDB, Redis (NoSQL), Python (Pandas, NumPy)
- **Quality & Testing:** Selenium, JUnit, TestNG, Postman, JMeter, Agile, Jira

EXTRA-CURRICULAR ACTIVITIES

- Managed National Mathematics Day 2022 at VIT, coordinating 100+ attendees and 10+ sessions.
- Organized 3+ cloud tech events for AWS Cloud Club tech events, increasing member engagement by 35%.