

SUPRATIM GHOSE

Software Developer

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EDUCATION

Vellore Institute of Technology, Vellore
B.Tech - Information Technology

Graduation: Aug 2026

CGPA: 8.56

PROJECT EXPERIENCE

Enrollments Portal-2024 🏠 | 📄 | 📺 | [NextJS](#), [TailwindCSS](#), [Prisma](#), [CockroachDB](#), [GCP](#) Feb 2024

- Modelled a front-end & back-end intensive website used for recruitment process that included 15+ features including form submissions, meeting scheduling, recruitment status & results.
- Optimized traffic handling for **700 users and 850+ form submissions**, a 20% increase from 2023.

Reverse Coding Portal & RSVP 📄 | 📄 | [NextJS](#), [TailwindCSS](#), [Prisma](#), [GCP](#) Mar 2024

- Developed the portal for the "Reverse Coding 2024" competitive coding event, enabling code submissions in **6 programming languages** within **48 hours**.
- Managed and optimized platform performance to handle **450+ active users** and process **nearly 3,000 submissions**.
- Implemented the event website with team registration and modification features, supporting **500+ participants**.

ExamCooker 🏠 | 📄 | [FastAPI](#), [NextJs](#), [Prisma](#), [GCP](#) Mar 2024

- A comprehensive web platform enabling VIT students to access curated exam preparation resources, including notes, past papers, and an interactive forum.
- Achieved rapid adoption with over **11000 registered users** within the first 5 months of launch, demonstrating the platform's strong user engagement and relevance.
- Integrated GCP Cloud Storage to securely manage and store exam-related media files, handling **15 million request units** in August alone.

Vach-Sahay 🏠 | [NextJS](#), [FastAPI](#), [MongoDB](#), [GCP](#), [Python](#) Oct 2024

- Developed a website with an integrated ML-model in a 5-man team to aid people with speech disorders by providing feedback for speech improvement.
- Awarded **Track Winners** in VIT's 36-hour "Yantra Central Hack" for the track "Reduced Inequality" out of **800+ participants**.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Python, C/C++, Java, Dart, Golang, SQL

Technologies/Frameworks: ReactJS, Bootstrap, Flutter, Flask, FastAPI, Firebase, TailwindCSS, NextJS, Astro, Docker, Go-Fiber, NodeJS, React Native, ExpressJS, RESTful APIs

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure Cloud, Google Cloud Platform (GCP)

Databases and Tools: MySQL, PostgreSQL, GORM, MongoDB, Mongoose, Prisma, Redis

Developer Tools: Postman, Docker, GitHub

WORK EXPERIENCE

Tisac Nov 2024 – Jan 2025
(Software Development Intern) Bangalore, KA (Remote)

- Developed the backend of a smart ticketing solution from scratch, independently designing and implementing APIs using ExpressJS, Next.js, and MongoDB.
- Implemented multiple deployment strategies on Microsoft Azure, including virtual machine (VM)-based and serverless deployments, optimizing cost and scalability.
- Integrated Redis for efficient caching solutions, improving system response time and performance.
- Designed and implemented a multi-tenant architecture solution, enabling seamless onboarding and management of multiple clients within a single platform.

Vardhaman Enterprise
(Freelance Web Developer)

Jul 2024 – Aug 2024
Remote

- Designed a catalog management website for an wholesale business with 500+ product using NextJS, WhatsApp API, CockroachDB and GCP CS.
- Created a setup bot using WhatsApp API in the chat app to automate manual responses and reduced operating costs by 40%.

EXTRACURRICULAR ACTIVITIES

Association for Computing Machinery(ACM) Student Chapter
(Board Member - Projects Lead)

May 2023 – Present
Vellore Institute of Technology, Vellore

- Led the end-to-end development of full-stack web and mobile applications to facilitate chapter events, ensuring seamless user experience and operational efficiency.
- Deployed the official website for the competitive coding event "Reverse Coding," successfully handling over 600 users and processing nearly 3,000 submissions.
- Organized the chapter's 36-hour flagship event, "Cryptic Hunt," engaging 800 participants and promoting technical and creative thinking skills within the university community
- Reviewed and approved over 150 pull requests, covering 17,000 lines of code and 500+ commits across technologies such as Next.js, FastAPI, and Prisma, ensuring code quality and best practices.

CERTIFICATIONS

Amazon Web Services(AWS) Solutions Architect - Associate (SAA-C03) [↗](#)

Salesforce Developer Certification [↗](#)