

RUSHABH A. SINGH

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EDUCATION

Thakur Shyamnarayan Engineering College, University of Mumbai Aug 2024 – May 2028
Bachelor of Engineering in Computer Engineering CGPA: **8.59 / 10.0**
Coursework: Data Structures & Algorithms, Database Management Systems, Statistics & Probability

EXPERIENCE

Student Manager — *Department of Lifelong Learning & Extension (DLLE), University of Mumbai* Jun 2024 – Present

- Coordinated **50+** **student volunteers** for university-level outreach programs using Google Sheets, Forms, and WhatsApp automation workflows
- Generated attendance reports, event schedules, and performance-tracking documents reviewed by department administration
- Awarded **”Best Group Leader”** for successfully organising 10+ educational workshops across the academic year

Tech Support & Exam Coordinator — *Thakur Shyamnarayan Engineering College* Jul 2025 – Present

- Provided real-time technical support for online examination systems serving **1,000+** **students** per semester
- Diagnosed and resolved login failures, network issues, and software errors under high-pressure, time-critical conditions

PROJECTS

FoodConnect Bharat — *React Node.js MongoDB Socket.io Leaflet.js* [GitHub](#) ↗

- Built a **real-time, map-based food redistribution platform** connecting donors, NGOs, volunteers, and people in need across India
- Implemented **dietary-aware smart matching** (Jain / Veg / Non-veg) with Socket.io live pin drops and AI-powered expiry urgency scoring
- Designed one-tap anonymous SOS broadcast, WhatsApp viral sharing via [wa.me](#), and a Food Karma leaderboard to drive community engagement
- Integrated OpenRouteService API for volunteer routing and a Zero Waste Impact Dashboard tracking meals saved and CO₂ avoided

AI Guardian Angel — *React 19 Vite Web Speech API Vanilla CSS* [GitHub](#) ↗

- Developed a **privacy-first women’s safety web app** with 100% on-device processing no audio stored or transmitted externally
- Built a multi-stage emergency protocol: real-time risk scoring (0–100), customisable voice triggers, and configurable confirmation countdown
- Implemented an alert state machine (inactive → confirming → active), safety-route map visualisation, and scenario-based configuration panel

CGPA Pro System — *Python Flask SQLite Google OAuth 2.0 Jinja2* [GitHub](#) ↗

- Created a **full-stack academic management platform** for TSEC Mumbai with Google OAuth restricted to [@tsecmumbai.in](#) student accounts
- Built Admin Panel for managing class presets, subjects, assessment components, and customisable University of Mumbai grading rules
- Delivered instant SGPA/CGPA calculation, master-sheet export, and in-app SQLite database backup, restore, and migration

HACKATHONS & COMPETITIONS

- **CreAItion 1.0 – Agentic AI Ideathon** (*NMIMS Mumbai*) **3rd Place**
Built *AI Guardian Angel* (privacy-first women’s safety system) out of 97 registered teams; evaluated on creativity, technical implementation, and social impact.
- **Pragati 2.0 Build-it On AI Buildathon** (*TCET Mumbai*) **Winner – 1st Place**
Developed *FoodConnect Bharat* under theme “AI Impact for Social Sustainability”; built and presented a functional prototype in the offline buildathon.
- **DevSprint 2026** (*Thakur Shyamnarayan College of Engineering*) Participant
- **HackVerse Hackathon** (*JNTU Kakinada*) – Team ARIES Participant
- **The Red Brick Summit 2025** (*IIM Ahmedabad*) – Case Competition Participant
- **Additional:** MindMatrix Quiz (XLRI) The Cognition Case Climax (ISBM) Quick Quest (ISBM) Antariksh Khel 2025 Technophilia 1.0

VIRTUAL LEARNING PROGRAMS

Forage Job Simulations

Dec 2025 – Jan 2026

- **Goldman Sachs Controllers:** Fund accounting, variance analysis, and financial controls
- **Deloitte Cybersecurity:** Security log analysis, vulnerability scanning, and incident response workflows
- **Deloitte Data Analytics:** Data cleaning and visualisation with Python (Pandas) and Excel
- **Software Engineering:** REST API design, Apache Kafka messaging, and H2 in-memory database integration

TECHNICAL SKILLS

Languages	Python (Pandas, NumPy, Matplotlib), JavaScript (ES6+), Java, SQL, HTML/CSS
Frameworks	React.js, Node.js, Express.js, Flask, Socket.io, Leaflet.js, Tailwind CSS
Databases	MongoDB Atlas, SQLite, MySQL
Tools & Platforms	Git/GitHub, VS Code, Postman, Figma, Jupyter Notebook, Google Workspace
Concepts	REST APIs, JWT Authentication, Real-Time Systems, OAuth 2.0, Web Speech API
Learning	Data Analytics, Cybersecurity Fundamentals, Financial Modelling, Power BI

CERTIFICATIONS

NPTEL: Programming, Data Structures & Algorithms IIT Madras (2025)

Forage: Goldman Sachs Controllers Deloitte Cybersecurity Deloitte Data Analytics Software Engineering (202526)

Workshops: Java Programming Python Workshop National E-Quiz 6.0

ADDITIONAL INFORMATION

Languages: English (Fluent) Hindi (Native) Marathi (Conversational)

Interests: Financial Markets Competitive Programming Open-Source Development Social Impact Technology