

# Shubham Gupta

shubhamxgupta1@gmail.com

— GitHub: ShubhamXGupta

— LinkedIn: ShubhamXGupta

## EDUCATION

### Vellore Institute of Technology, Chennai

B.Tech in Computer Science & Engineering (AI & ML)

CGPA: 8.3/10

Chennai, India

2023 – 2027

### Maheshwari Public School, Jaipur

Class XII (CBSE) – 80%

Class X (CBSE) – 89%

Jaipur, India

2022 – 2023

2020 – 2021

## EXPERIENCE

### Samsung PRISM

Team Lead – Research Intern

Remote

Aug 2025 – Present

- Leading a 4-person team in developing a secure **XML-to-Jetpack Compose** migration tool, reducing UI modernization efforts by approximately 40%.
- Engineered static analysis rules in **Kotlin** to preemptively detect insecure XML patterns (e.g., hardcoded secrets) prior to conversion.
- Conducting bi-weekly code reviews and enforcing secure coding guidelines, resulting in zero critical vulnerabilities in the beta release.

### Bluestock Fintech

Software Development Intern

Remote

May 2025 – July 2025

- Re-architected the **PostgreSQL** database schema, optimizing indexing strategies which reduced API query latency by over **80%**.
- Developed end-to-end IPO management workflows using **Django REST Framework** and **ReactJS**, serving 1,000+ active users.
- Implemented Redis caching for real-time stock data fetching, improving dashboard load times by 200ms.

## PROJECTS

### BloodConnection — ReactJS, Python (Flask), Scikit-Learn, PostgreSQL

Live Demo

- Developed an AI-powered donor platform using **KNN algorithms** to match donors with recipients based on blood type and location proximity.
- Integrated intelligent inventory forecasting using **Pandas** and **NumPy** to predict shortages during high-demand periods.
- Implemented real-time emergency routing alerts using WebSocket and ExpressJS.

### OrderPlease — NextJS, TypeScript, AuthJS, Tailwind CSS

GitHub Link

- Built a digital mess management system with wallet functionality, replacing manual ledger entries for 500+ students.
- Secured user transactions using **AuthJS** (JWT) and enforced strict role-based access control (RBAC) for admins and students.

## TECHNICAL SKILLS

- Languages:** Java, Python, Kotlin, C++, JavaScript (ES6+), SQL
- AI/ML & Data Science:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Data Preprocessing, Model Evaluation
- Web Technologies:** ReactJS, NextJS, Node.js, Express, HTML5, CSS3, Tailwind CSS, Redux Toolkit
- Databases & Cloud:** PostgreSQL, MongoDB, Firebase, Google Cloud Platform (GCP)
- Developer Tools:** Git/GitHub, Docker, Postman, Linux (Bash), Android Studio, VS Code

## ACHIEVEMENTS

- Champion Milestone, College Rank 1** – Google Cloud Arcade 2024 (Demonstrated cloud proficiency).
- World Rank 31, College Rank 1** – CodeChef Weekly Contest 159 (3-Star Coder).
- Problem Solving** – Solved 500+ Data Structures and Algorithms problems across various platforms.

## CODING PROFILES

LeetCode

— CodeChef

— Kaggle