

Anikait Agrawal

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Education

Vellore Institute of Technology, Tamil Nadu – B.Tech in Information Technology	7.86 CGPA	2022–2026
Delhi Public School, Greater Noida – Class XII (CBSE),	83.75 percent	2022
Vidya Niketan Birla Public School, Pilani – Class X (CBSE),	90 percent	2020

Work Experience

Shyam Spectra

Gurugram, IN

Data & Automation Intern – Sales Excellence

May 2025 - Jun 2025 (1.5 Months)

- **Automated** market and competitor data extraction using JavaScript-based **web scraping**(Puppeteer)and APIs.
- Built **Excel** tools to streamline internal sales reporting, reducing manual effort by ~70%.
- Created dashboards and reports to support lead generation and conversion tracking.
- Prepared **data-driven presentations** for internal reviews and management to provide practical insights.

Centre for Development of Telematics (C-DOT)

New Delhi, IN

Full Stack Development Intern

May 2024 - July 2024 (1.5 Months)

- Developed an internal paper publishing tool **using NLP and concurrent file access** with role-based control.
- Upgraded and documented **C-DOT's custom Moodle LMS** enhancing UX by 20% and streamlining operations.
- Contributed to **UI/UX improvements** and **backend** development, collaborating effectively with a team of engineers.

Papersdrop (College Startup)

Remote

Operations & Talent Intern (HR)

Oct 2022 - Feb 2023 (5 Months)

- Led **hiring and onboarding of 20+ team** members across tech, design, and content roles.
- **Managed centralized project** timeline, ensuring 100% deadline compliance across departments.
- Boosted team efficiency **by 25% through** task delegation and strategic coordination.

Project Work

Industrial Equipment Health Monitor (IoT + Computer Vision) - [\[View Project\]](#)

- Built a real-time monitoring system using ESP32-CAM, vibration sensors, and EVM to detect abnormal machine behavior and enable proactive maintenance.
- Deployed a FastAPI-based dashboard for live video preview, anomaly detection, and downloadable reports.
- *Tech: ESP32-CAM, FastAPI, OpenCV, EVM, Python, UDP, Sensors, HTML/CSS/JS*

CredRank Net - Research Credibility Platform- [\[View Project\]](#)

- Developed a research platform with dynamic reputation scoring, expertise-weighted voting, and domain validation.
- Built real-time discussions with rich text posts, nested threads, infinite scroll, and live credibility updates.
- Added academic features including citation metrics, expert verification, and credential checks.
- Optimized performance with SSR, caching, and a lightweight frontend architecture.
- *Tech: Next.js, TypeScript, TailwindCSS, SQLite, NextAuth, React Query.*

Skills

Programming Languages: Java, Python, C, C++, JavaScript, HTML, CSS, Embedded C

Frameworks & Libraries: FastAPI, Node.js, Express.js, OpenCV, Puppeteer, Arduino IDE

IoT & Embedded: ESP32, ESP32-CAM, Arduino, UDP/HTTP, SD_MMC, Wi-Fi microcontrollers

Databases & APIs: MySQL, MongoDB, Google Places API, RapidAPI, ApiFY, OpenAPI

Other Skills: Web Scraping, Data Analytics, Real-time Video Processing, Team Management

Leadership & Activities

F.E.P.S.I & SME International – VIT Vellore

Tamil Nadu, IN

Head of Finance (F.E.P.S.I) | Head of Design (SME International)

Feb 2025 – Present | Jan 2024 – Jan 2025

- Spearheaded **₹20K+ budget planning, inventory management, and sponsorships** for **500+ members** across multiple student initiatives.
- Secured **5+** sponsorships through active negotiation and corporate outreach and successfully persuaded clients.
- Directed creative strategy and design for flagship events including **“ManuPitch”, “RC Car: Build It, Race It”, and “Think It Print It”**, leading to 30% increase in engagement.
- Led design efforts contributing to **Gold Chapter recognition**; created cohesive visual identity across all Events.
- Supported execution of large-scale **technical and cultural events** with up to 500+ participants.

Extracurricular

- Run a pet boarding business with my brother, which has seen over 150% YoY growth.
- Secured 100%ile in English in CUET 2022.
- Volunteered to teach mathematics to underprivileged students of grade 10th and 11th who were part of MENSA.