

Ananya Mangal

B.Tech Information Technology | CGPA: 9.188
Delhi Technological University (Formerly Delhi College of Engineering)
5x Hackathon Winner, 1x Startup Scaled, Codeforces : max 1069

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EDUCATION

Qualification	Institute	Year	CGPA/%
B.Tech in Information Technology	Delhi Technological University	2023–27	9.188
AISSCE (Class XII)	Glorious Public School, Rohini, Delhi	2023	92.6%
AISCE (Class X)	Heritage Experiential Learning School, Gurgaon	2021	99.0%

WORK EXPERIENCE

- **Software Developer Intern, Technobile Systems Private Limited – "NxgSecure"** (June'25–Present)
 - Contributed to a threat visualization dashboard using React.js and Chart.js, for real-time monitoring of incident metrics.
 - Assisted in writing **10+** Python scripts for parsing system log files and preparing data for further analysis.
 - Worked in a team of **12+** interns and junior developers to build and test internal tools for cybersecurity monitoring.
- **Software Engineer Intern, Innomick Technologies, Hyderabad** (October'24–January'25)
 - Developed a WhatsApp-based AI chatbot using Twilio, SQL, and Python to handle customer queries for a live client.
 - Designed backend logic to automate over **80%** of interactions, reducing average response time by **60%**.
 - Integrated SQL-based query routing and complaint categorization for accurate tracking and streamlined resolution.
 - Enabled support for **1,000+** users through automated chatflows and streamlined escalation management.

ACADEMIC PROJECTS

- **Blockchain-Integrated Drug Supply Chain Optimization System** | [Live Demo](#)
 - Engineered a decentralized inventory system on **Polygon** Blockchain with smart contracts for secure drug tracking and automated payments across **20+** stakeholders in the supply chain.
 - Programmed **smart contracts** reducing manual errors by over **75%** and enhancing transparency.
 - Built a **Next.js** dashboard for real-time tracking of **100+** inventory items, orders, and deliveries, complemented by a predictive demand forecasting model ($R^2 = 0.957$) to optimize stock.
 - Implemented **OSM**-based live location/order tracking with QR code scanning for secure monitoring.
- **Smart Home Energy Management System** | [Live Demo](#)
 - A relational database project built with ML, MySQL, and Next.js to optimize energy consumption in homes.
 - Achieved **23%** reduction in electricity costs through smart appliance scheduling and ML-based recommendations.
 - Integrated a peak hour prediction model with **87%** accuracy, leveraging historical and regional energy usage data.
 - Tracked and visualized real-time consumption across **15+** device types with a responsive UI and sub-**300ms** query performance.

ACADEMIC ACHIEVEMENTS AND AWARDS

- **Smart India Hackathon 2024 Winner** (PS : SIH 1627)- among **80K+** teams and **4.9 lakh** participants across India.
- Winner, **Hack4Change by Google** — Awarded 2.5 lakh prize for legal aid software among **500+** competing teams.
- 1st Prize, Code Cubicle Hackathon at **Microsoft** — Built a women's safety route app, winning among 300+ teams.
- **Rank 1** at Code4Cause **Hack with India** NSUT -Developed NewsMate, an AI-driven civic awareness app.
- Codeforces Max Rating: **1069** | [Codeforces](#)

SKILLS

- **Languages:** C++, C, Python, **Data Structures and Algorithms in C++**
- **Web Development:** HTML, CSS, JavaScript, React, Next.js, Node.js, Firebase, MySQL, MongoDB
- **Fundamentals:** Relational Database Management (SQL), Object Oriented Programming, Operating Systems
- **Machine Learning & Computer Vision:** TensorFlow, OpenCV, Supervised & Unsupervised Learning
- **Blockchain:** Hardhat, Solidity, DApp Development

EXTRACURRICULARS

- Technical Co-Head at Society of Robotics DTU, organized Invictus techfest RoboWar and LFR competition.
- Senior Council Member at Debating Society (Cognitive Minds), judged and participated in **11+** parliamentary debates.
- Volunteer, NSSS Foundation -**45+** hours of service at a senior care center and **25+** hours of teaching underprivileged children.