



# Anukrati Chaturvedi

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## Education

- Indian Institute of Information Technology, Gwalior** 2023–2027
- B.Tech in Computer Science (CGPA: 9.32/10).
  - Relevant Courses: Data Structures and Algorithms, DBMS, OOPs, Computer Networks, Operating System
- Delhi Public School, Greater Noida (CBSE Board)** 2021–2023
- Higher Secondary Education: Class 12 (96.8%), Class 10 (99%).


## Experience

- LG Electronics — Software Development Intern**  May 2025 – July 2025
- Designed and built distributed Java backend services using Spring Framework, integrating 5+ RESTful APIs with React via Axios enhancing system scalability and reliability.
  - Managed and optimized MySQL databases, improving query performance by up to 30%.
  - Optimized large-scale relational databases, supporting real-world applications with 1000+ daily users.
- NXP Semiconductors — NXP Women in Tech (WIT) Program** Nov 2024 – Ongoing
- Crafted and verified RISC-V subsystems using Verilog/SystemVerilog with 90%+ simulation coverage.
  - Selected as one of the Top 75 students from 15,000+ applicants for the NXP WIT Program.
  - Awarded among top 1% of applicants for a prestigious industry-led program and monetary stipend.
- Oppia Organization — Software Development Intern** March 2024
- Analyzed 10+ usability issues through case studies on Oppia's Android app and website.
  - Improved UI/UX by implementing enhancements using JavaScript, HTML, and CSS.

## Projects

- SHAKTI: Image Recognition Chatbot**
- Engineered a distributed multimodal LLM system integrating vision-language modeling.
  - Constructed frontend with React/Next.js and backend with FastAPI, improving performance by 25%.
- SeatSense: Smart Seat Monitoring System** 
- Prototyped hardware (Arduino, IR sensors, ESP8266) integrated with software.
  - Built backend with PHP, MySQL, and WAMP for data processing and web dashboard for route optimization.
- StockSensei: Stock Analysis Platform** 
- Engineered a real-time predictive stock analysis system in React with 1s data update latency.
  - Built distributed data pipelines for market insights and AI-based portfolio builder using ML (Prophet).
  - Created interactive learning modules boosting engagement by 60%.
- Myntra Social** 
- Engineered a feature into the Myntra app using JavaScript, HTML, and CSS, including taggable posts.
  - Built frontend with React Native and integrated backend via Node.js, reducing response time by 20%.

## Google Developer's Group Community

- GemForge: Natural Language to UI Code Generator** 
- Programmed a web tool to generate responsive UI code from text and voice using Gemini 2.0 and Firebase.
  - Integrated Firebase Genkit, Firestore, Auth, and Web Speech API for AI workflows, storage, and voice input.

## Skills

- **Languages:** C/C++, Go, Java, SQL, JavaScript, HTML & CSS, OCaml.
- **Frameworks and Tools:** Next.js, React, Tailwind CSS, Spring, MongoDB, MySQL, Axios, NetBeans, AutoCAD.
- **Core Competencies:** Distributed Systems, Scalability, OOP, Algorithms, Data Structures, Agile Development.

## Achievements

- **D.E. Shaw Mentee** – selected for Desis Ascend Educare 2026.
- **Amazon ML Summer School Scholar**, top 5% from 60,000+ participants.
- **1st Place**, Smart India Hackathon (SIH) 2024; selected from 12,000+ teams, awarded stipend.
- **GHCI Advancing Inclusion Scholar**, AnitaB.org 2024; top 1% from 5,000+ applicants.
- **Meta HackerCup** – 400 rank globally in coding contest out of 15,000 participants.
- **Walmart Sparkathon Finalist** – Top 11 out of 7,000+ teams nationally.
- **Google Developer Groups (GDG) Lead** – spearheading developer community initiatives across campus.