

# ANUKRATI CHATURVEDI

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## EXPERIENCE

### NXP Semiconductors

#### NXP Women in Tech (WIT) Program

📅 November 2024 – Ongoing

- Working on RISC-V architecture, Verilog, and SystemVerilog to design and verify semiconductor systems.
- Selected as one of the Top 75 students from 15,000+ applicants for the NXP WIT Program.
- Awarded a monetary stipend and year-round mentorship from industry experts.

### LG Electronics

#### Software Development Intern

📅 May 2025 – Ongoing

- Building Java backend services using Spring Framework and integrating REST APIs with React frontends via Axios.
- Managing and optimizing relational databases with MySQL.
- Implementing and testing scalable software solutions for real-world applications.

### Oppia Organization

#### Software Development Intern

📅 March 2024   🔗 [GitHub Documentation](#)

- Conducted comprehensive case studies on Oppia's Android application and website, identifying usability issues.
- Worked on enhancing the interface using Javascript, HTML and CSS.

## EDUCATION

### Indian Institute of Information Technology, Gwalior (2023–27)

B.Tech in Computer Science (CGPA: 9.19/10)

**Relevant Courses:** Data Structures and Algorithms, DBMS, OOPs, Computer Networks

### Delhi Public School, Greater Noida (2021–23) Higher Secondary Education

Intermediate (Class 12): 96.8% , Matriculation (Class 10): 99%

## ACHIEVEMENTS

- 1st position at Smart India Hackathon (SIH) 2024 and awarded a monetary stipend.
- Awarded the GHCI Advancing Inclusion Scholarship, AnitaB.org (2024).
- Code; Without Barriers (2025) - Selected for Microsoft mentorship program for DevOps.

## PROJECTS

### SHAKTI: Image Recognition Chatbot

- Developed a multimodal Large Language Model integrating vision-language modeling.
- Worked on the frontend using React and Next.js, and backend with FastAPI and ONNX for ML model optimization.

### SeatSense: Smart Seat Monitoring System

🔗 [GitHub Documentation](#)

- 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.

### Object Sensing Device

🔗 [GitHub Documentation](#)

- Developed an object-sensing device using ultrasonic sensors and Arduino Nano to assist visually impaired individuals in obstacle detection.

### StockSensei: Stock Analysis Platform

🔗 [GitHub Repository](#)

- Built using React.js with JavaScript and TypeScript.
- Developed a clean, responsive UI for stock analysis and visualization.
- Qualified for IIIT Delhi Hackathon with this project.

### Myntra Social

🔗 [GitHub Documentation](#)

- Developed a feature into the Myntra app, using Javascript, HTML and CSS including taggable posts.
- Utilized React Native for frontend development and Node.js for backend integration.
- Ranked in the top 1,000 teams out of 30,000 participants in Myntra HackerRamp: WeForShe 2024.

## SKILLS

### Languages

C/C++   Java   SQL   JavaScript   HTML & CSS  
OCaml

### Frameworks and Tools

Next.js   React   Tailwind CSS   Spring   MongoDB  
MySQL   Axios   NetBeans   OOPs   AutoCAD