

# AKANKSHA GUPTA

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## Technical Skills

**Languages:** C++, JavaScript, TypeScript  
**Frontend Skills:** React.js, Next.js, Tailwind CSS, Bootstrap, HTML, CSS, Figma  
**Backend Skills:** Node.js, Express.js, RESTful APIs  
**Databases & Tools:** MySQL, Firebase, Appwrite, Git, GitHub, Netlify, Vercel

## Experience

### Mastork

Jun 2024 — Dec 2024

Full-stack Developer Intern

New Delhi

- Engineered and deployed **3+** dynamic websites using **Next.js**, implementing **SEO** strategies that boosted web traffic by **30%**.
- Collaborated with the team to enhance the overall visibility and functionality of websites, improving user engagement and deployment success.
- Received a **Letter of Recommendation** from the **CEO** and **CTO** for exceptional performance throughout the internship, technical expertise, attention to detail, and problem-solving ability.

### Guru Tegh Bahadur Institute of Technology

Jul 2023 – Sep 2023

IOT Intern

New Delhi

- Completed in-house internship on **Arduino-based systems**, developing **4+** projects using **Arduino Uno**, LEDs, breadboards, and **IDE software**.
- Awarded **2nd place** for the Dicit project among **15+ teams** in a competition.
- Led the development of an IoT-based memory game, which won **1st prize** among 10+ teams at **Sanchaar Tech Fest**, attracting **100+ participants** and generating high engagement with **repeated players**.

## Projects

### Predicting AQI 🌀 | NextJS, ChartJS, Machine Learning Integration, MS Excel, Postman API

- Developed and **deployed** a tool to predict the air quality index (AQI) based on environmental data, offering real-time updates and predictions.
- Utilized **Next.JS** for server-side rendering and fast page loads and Machine Learning Model Integration using Algorithms like **XGBoost**, **Random Forest** and **LRU**
- Integrated **Chart.JS** for dynamic and interactive **data visualization**, allowing users to view AQI trends and predictions.
- Fetches and processes data from **.xlsx files** to ensure accurate environmental data was displayed, enhancing the tool's functionality and user experience.

### Expense Tracker | MongoDB, React, ExpressJS, NodeJS, RTK Query, Redux

- Developed and deployed a full-stack expense tracker web application using the **MERN** stack with **RTK Query** for efficient state management.
- Utilized responsive design principles to ensure seamless functionality across various devices.
- Integrated **MongoDB Atlas** for secure and scalable data storage and **ExpressJS** for backend API development.

### TaskTamer🌀 | React JS, Redux

- Developed a dynamic task management web application enabling users to efficiently create, edit, and track tasks with status updates for better productivity.
- Implemented a clean and intuitive **user interface** using React JS, ensuring smooth user interactions.
- Leveraged Redux Toolkit for efficient **state management**, enhancing application scalability and maintainability.

## Education

### Guru Gobind Singh Indraprastha University

Dec 2021 - May 2025

Bachelor of Technology in ECE (Specialization in **Computer Science**)

86%

## Leadership / Extracurricular

### Sanchaar Tech Fest Core Team Member

Sept 2023 – Oct 2023

- Organiser**, Shark Tank Event: Led a **15+ team members** to execute the tech fest.