

Waqar Akhtar

New Delhi, India

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Education

Guru Gobind Singh Indraprastha University <i>B. Tech in Artificial Intelligence and Data Science</i>	August 2024 – Present <i>Surajmal Vihar, Delhi</i>
Faith Academy School <i>Class XII (CBSE-PCMB) – 80%</i> <i>Class X (CBSE) - 93%</i>	2015 - 2023 <i>Karol Bagh, Delhi</i>

Skills

Expertise Area	Object-Oriented Programming, Database Management, Data Structures and Algorithms, Cloud Computing
Programming Language	Python, JavaScript/TypeScript, Java, C, R
Tools and Technologies	GitHub, Linux, Figma, Azure, Neo4j, Arduino, HTML, CSS, Tailwind, Illustrator, Photoshop, Google Cloud Platform
Technical Electives	Operating Systems, Computer Organization, Discrete Structures, Computer Network, Database Management Systems, Analysis and Design of Algorithm

Projects

- PrepPal – AI-Powered Study Assistant**
Web App | JavaScript, HTML/CSS, OpenAI (via MagicLoop), PDF.js, Vercel
 [Live Demo](#) | [GitHub](#)
 - Built a full-stack AI web app that helps students study smarter by summarizing notes, generating flashcards/quizzes, and answering queries via an AI chatbot.
 - Implemented PDF uploading and text extraction using pdf.js, with AI-powered summarization and content generation via OpenAI (through MagicLoop).
 - Designed a clean, responsive UI with dark mode and voice recognition support using JavaScript and Web APIs.
 - Deployed on **Vercel** with a seamless CI/CD pipeline for quick updates and global hosting.
- Hydro Heroes – Smart Water Monitoring System**
Smart Delhi Ideathon 2025 | Team Project | Role: Hardware & Backend Developer |
Arduino, Node-RED, Web Socket, HTML/CSS/JS, Flutter, Sensors (YSF flow meter, pH sensor)
 - Developed an IoT-based solution to tackle Delhi's water crisis by enabling real-time water usage and quality monitoring for households and communities to capture real-time data on water flow and quality.
 - Designed and implemented the backend using **Node-RED** to parse sensor data and transmit it via **WebSocket** and Created a web dashboard to visualize trends, analytics, and alerts for end-users.

Achievements

- Deloitte Technology Virtual Internship
- Cisco Certified Python Programmer

Extracurricular

- Member, Intel OneAPI Students Club(IoSC)
- Database Management under TnP GGIPU