

Sanya Saxena

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EDUCATION

Indira Gandhi Delhi Technical University for Women	2023-2027
<i>B.Tech in Electronics and Communication Engineering, Artificial Intelligence</i>	<i>CGPA: 9.41</i>
Ryan International School	2022-2023
<i>Class XII — CBSE</i>	<i>Percentage: 96.8%</i>

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, JavaScript
Backend & Databases: Node.js, Express.js, MongoDB, REST APIs, SQLite
Frontend: React.js, Next.js, HTML, CSS
Developer Tools: Git, GitHub, VS Code, Postman, Vercel
CS Fundamentals: Database Management Systems(DBMS), Data Structures and Algorithms(DSA), Object Oriented Programming(OOP), Operating Systems(OS), Computer Networks(CN)

EXPERIENCE

Web Development Internship	2025
<i>Lokachakra</i>	
<ul style="list-style-type: none">Engineered the end-to-end psychometric quiz flow and student dashboards using React and Node.js, improving task completion speed by 30% through reusable components and streamlined UI.Designed and implemented backend APIs with Node.js and MongoDB for quiz evaluation, user state handling and progress tracking, increasing data reliability and reducing workflow errors by 25%.	
Artificial Intelligence Internship	2024
<i>IBM SkillsBuild</i>	
<ul style="list-style-type: none">Spearheaded the creation of SchemeSaathi, a full-stack platform to simplify government scheme discovery, leveraging IBM WatsonX to design a conversational workflow that delivers structured and accurate recommendations across 29 states.Orchestrated and optimized backend services and API workflows on IBM Cloud, automating scheme matching and significantly improving system responsiveness and user experience.	

PROJECTS

SchemeSaathi GitHub Link <i>IBM WatsonX, IBM Cloud</i>	2024
<ul style="list-style-type: none">Developed and deployed chatbot-integrated website, delivering personalized recommendations for government schemes across 29 states improving accessibility and enhancing user experience.Built innovative algorithms to simplify government scheme data, enhancing accessibility, promoting financial literacy, and optimizing user matching with a 70% reduction in search time	
Edvisir GitHub Link <i>Next.js, Node.js, REST APIs</i>	2024
<ul style="list-style-type: none">Built and optimized backend API endpoints for user sessions, assessments, and progress tracking, reducing average response time by 35% through efficient routing and query optimization.Designed and implemented scalable database schemas supporting 1,000+ concurrent users, enabling faster data retrieval and improving overall system reliability by 30%.	
Car Fleet Management System GitHub <i>Python, SQLite, Pydantic, REST APIs</i>	2025
<ul style="list-style-type: none">Developed a modular backend system with REST API endpoints for vehicle tracking, trip management, and status monitoring, improving data consistency and reducing query errors by 40%Implemented automated maintenance and anomaly detection workflows, cutting manual review effort by 50% and enabling real-time alerting.	

ACHIEVEMENTS

Amazon ML Summer School — Selected for the national ML training program	2025
Devcation Hackathon – 2nd Runner Up — Ranked 3rd among 50+ teams for building RightAware	2025
WiSH Mentee, Texas Instruments — Selected among the top 43 women nationwide	2025
NXP Women in Tech Scholar — Selected among the top 75 women for excellence in embedded systems	2024
IBM PitchNight – Runner Up — Selected from 29,000+ students across 6,123 teams nationwide	2024

POSITIONS OF RESPONSIBILITY

Outreach Lead — Google Developer's Group, IGDTUW	2025
TNP Coordinator — IGDTUW	2025