Ishan Saxena

Software Engineer | Full-Stack & Android Development

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Technical Skills

Programming Languages	Kotlin, Python, C++, Java, JavaScript (ES6+), HTML, CSS
Frameworks and Libraries	ReactJS, NextJS, Tailwind CSS, Jetpack Compose, Android SDK, Flask
Databases	Firebase, SQLite, MySQL
Developer Tools	Git, Docker, Postman, VS Code, Android Studio, Figma
Core Competencies	Data Structures & Algorithms, OOP, REST APIs, Agile Development, Unit Testing
Other Skills	LaTeX, Prompt Engineering, Design Thinking

Education

Vellore Institute of Technology, Bhopal Sept 2023 – Present
B.Tech in Computer Science and Engineering
CGPA: 8.87

St. Teresa School, Indirapuram Mar 2020 – May 2023
Class XII (Science, CBSE) — 89.2%
Class X (CBSE) — 97.6%

Experience

CirclePe May 2025 – June 2025
Web Development Intern (Offline)
- Developed responsive UI components with **ReactJS** and **NextJS**, improving cross-device user experience.
- Automated extraction and processing of 1,000+ web data points using **Python**, streamlining workflows.
- Optimized rendering performance, improving navigation fluidity and reducing load times.
- Designed and deployed an SEO-friendly **Area Converter Web Tool**, enhancing site visibility.

Projects

Smart Diet Planner – NutriBharat GitHub Link
- Designed an **Android** diet recommendation app powered by a **KNN**-based model, achieving **90% validation accuracy**.
- Integrated a **Python Flask** backend with **Kotlin** frontend for **real-time predictions**, handling **100-200 simulated queries per session**.

Echo Chamber – An AI Persona Chat App GitHub Link
- Built a **full-stack** web application using **Node.js** and the **Gemini API** to deliver **persona-based responses**, sustaining **30 requests/sec**.
- Implemented a modern **frontend** with dynamic **light/dark theme** and secure **API key** handling, improving **first input delay by 20%** and keeping **layout shifts <1%**.

Pixel Forge – AI Image Generator GitHub Link
- Developed a client-side **JavaScript** tool for **text-to-image** generation via the **Hugging Face Inference API**, supporting **4+ models** and multiple **aspect ratios**.
- Added in-browser **API key** input using `localStorage` and a **theme toggle**, reducing first-time setup to under **30 seconds** and enabling **5–10 repeat sessions per hour**.

Extracurricular

Core Member, HR Team – Cisco Community, VIT Bhopal Oct 2024 – Present
- Drove member engagement by leading technical events (100+ attendees) and optimizing onboarding process.

Member, Boys' Hostel Committee – VIT Bhopal Oct 2024 – Apr 2025
- Orchestrated cross-team logistics for "Summer Fest", a 1,000+ participant event.