

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	Node.js, React.js, Next.js, Jetpack Compose, Android SDK
Databases	MongoDB, Firebase, MySQL
Developer Tools	Git, Docker, Postman, Figma, VS Code, Android Studio
Core Competencies	Algorithm Design, API Design, Agile Development, Unit Testing, Database Design
Other Skills	Design Thinking, Prompt Engineering, LaTeX

Education

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

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object-Oriented Programming, System Design, Web Technologies, Software Engineering

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

- Engineered the blog admin panel, integrated **TipTap**, and delivered an **SEO-optimized Area Converter tool**, improving usability and production readiness.
- Automated ingestion of **1,000+ web data points** and generated city sitemaps; architected scalable **scraping pipelines** and **data workflows**.
- Prototyped **UX/UI flows** in **Figma** and **React**, streamlining navigation and enhancing cross-device experience.
- Optimized application performance and reliability using **ReactJS**, **NextJS**, and **Python**.

Projects

Smart Diet Planner – NutriBharat | Kotlin, Python, Flask, KNN, Android [GitHub](#)

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

Echo Chamber – AI Persona Chat App | Node.js, React, Gemini API, Full-Stack [GitHub](#)

- Built a full-stack web application delivering persona-based AI responses, sustaining **30 requests/sec**.
- Implemented **responsive light/dark theme** and secure API key handling, improving first input delay by **20%** and keeping layout shifts <1%.

Pixel Forge – AI Image Generator | JavaScript, Hugging Face API, Frontend [GitHub](#)

- Developed a text-to-image generator supporting multiple AI models and aspect ratios via Hugging Face API.
- Added in-browser API key input and theme toggle, reducing first-time setup to under **30 seconds** and enabling **5–10 repeat sessions/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.