

Vardaan Saxena

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EDUCATION

- Jaypee Institute of Information Technology** Noida, India
 - Bachelor of Technology in Computer Science and Engineering: CGPA: 8.12* July 2025 - June 2029

EXPERIENCE

- GAIL (India) Limited** India
 - Summer Intern* June 2026 – Aug 2026
 - QAP & TPI Digitization:** Designed the functional specification for a QAP (Quality Assurance Plan) & Third-Party Inspection (TPI) system to digitize QAP creation, approval, inspection initiation, and TPI reporting workflows, replacing manual, paper-based processes.
 - Workflow & Role Design:** Defined end-to-end workflow covering PO selection, QAP creation, review/approval, inspection request, TPI report upload, and inspection completion, along with role-based access for Initiator (Mechanical) and Admin (Inspection Department) users.
 - SAP Integration Mapping:** Specified integration with SAP to fetch Purchase Order and line-item details, and mapped document management rules for QAP documents, drawings, technical specifications, and TPI reports at PO and line-item levels.
 - System Documentation:** Authored detailed functional flow documentation including status flow matrix, validation rules, audit trail requirements, and notification triggers for approval/rejection and inspection lifecycle events.
 - Tech Stack:** ASP.NET Core Web API & MVC, Entity Framework Core, Oracle, SignalR, BCrypt.Net.

PROJECTS

- GroundTruth™ - AI Powered Disaster Response Platform (AI, GeoSpatial Tech, Real-Time Systems):** Built an intelligent disaster management platform integrating AI chatbots, multilingual reporting, GeoSatellite mapping, real-time alerts, and role-based emergency dashboards for faster crisis response. Tech: Next.js, Node.js, Python, TensorFlow, Firebase, WebSockets, GeoSpatial APIs.
- DataLens AI - Database Schema Intelligence Platform (AI, Data Engineering, SaaS):** Built an AI-powered schema intelligence platform that converts complex and legacy database structures into searchable documentation, interactive ER diagrams, and relationship maps. Developed automated metadata extraction, Neo4j-based graph modeling, schema analytics dashboards, and natural-language schema exploration, reducing database onboarding time from hours to seconds. Tech: Next.js, TypeScript, Node.js, Tailwind CSS, Drizzle ORM, NextAuth, Neo4j, PostgreSQL, MySQL, Snowflake.
- DoseFlow - Senior Health Management System (HealthTech, AI Assistant, Accessibility):** Created a senior-friendly healthcare platform featuring smart medication reminders, appointment scheduling, AI health assistance, prescription storage, health analytics, and automated medical reports with accessibility-focused UI/UX. Tech: React, Node.js, Firebase, AI APIs, Health Analytics.
- Senko UI - Premium SaaS & AI Component Library (Frontend, UI/UX, Design Systems):** Developed a modern open-source React component library and documentation platform featuring premium SaaS-inspired UI components, glassmorphism interfaces, Bento layouts, and high-performance Framer Motion animations. Tech: Next.js 16, Tailwind CSS 4, TypeScript, Framer Motion, Radix UI, Fumadocs.

SKILLS SUMMARY

- Languages:** HTML, CSS, C, C++, C#, Java, JavaScript, TypeScript, Python, PHP, SQL, Bash
- Frameworks:** Node.js, ASP.NET Core, Entity Framework Core, React, Tailwind CSS, Flask, Django, Bootstrap, jQuery
- Tools:** Git, GitHub, Docker, Kubernetes, MySQL, PostgreSQL, Oracle DB, SQLite, SignalR
- Platforms:** Linux, Windows, Web, AWS, Raspberry Pi, Arduino
- AI/ML:** NumPy, Pandas, TensorFlow, Keras, Scikit-learn

ACHIEVEMENTS

- 2× Hackathon Winner across innovation and software development competitions
- 7× Hackathon Finalist for building AI-powered, full stack, and problem solving based solutions
- Finalist at Invariant Individual Competitive Programming Contest Finals hosted at Scaler School of Technology
- Rated 2 Star on CodeChef, with a highest rating of 1443

VOLUNTEER EXPERIENCE

- CICR - Creative and Innovative Cell in Robotics** Noida, India
 - Core Team Member*
- 0x0 PIR4T3S - IIIT Chapter** Noida, India
 - Core Team Member (Tech Head)*