

JAHNVI SAXENA

Software Developer | Full Stack Developer | Machine Learning Engineer
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Education

Vellore Institute of Technology, Bhopal <i>Bachelor of Technology in Computer Science and Engineering / CGPA: 8.31/10</i>	Oct. 2022 – May 2026 <i>Bhopal, India</i>
Kendriya Vidyalaya, Indore <i>Higher Secondary Education (Class XII) / Percentage: 89.6%</i>	Apr. 2020 – Apr. 2022 <i>Indore, India</i>
Kendriya Vidyalaya Steel Plant, Visakhapatnam <i>Secondary Education (Class X) / Percentage: 89.4%</i>	Apr. 2019 – Apr. 2021 <i>Visakhapatnam, India</i>

Technical Skills

Programming Languages: Python, JavaScript, Java, HTML5, CSS3, SQL
Frontend Technologies: React.js, HTML5, CSS3, JavaScript
Backend Technologies: Node.js, Express.js, Flask
Databases: MongoDB, MySQL,
Machine Learning & AI: Scikit-learn, Pandas, NumPy, Natural Language Processing
Tools & Technologies: Git/GitHub, Postman

Technical Projects

CodeGuard AI <i>Python, Machine Learning, Flask, React.js</i>	GitHub
<ul style="list-style-type: none">Engineered AI-powered vulnerability detection system using machine learning algorithms for automated security scanning across 5+ programming languages, achieving 92% accuracy in threat identificationBuilt intelligent code review automation with natural language processing capabilities to identify 150+ security flaws and code quality issues, reducing manual review time by 65%	
IntelliStock - AI-Powered Inventory Tracker <i>MERN Stack, Python, Machine Learning, Socket.IO</i>	GitHub
<ul style="list-style-type: none">Architected intelligent inventory management platform using MERN stack with integrated Python ML services, supporting real-time inventory tracking, predictive analyticsImplemented advanced ML algorithms for demand forecasting, stock optimization, and expiry prediction using Python APIsDeveloped comprehensive authentication system with Google OAuth 2.0, JWT tokens, and session management with MongoDB store, and secure API endpoints with Passport.js middleware	
SereNova - Mental Health Chatbot <i>Python, NLP, Sentiment Analysis, TensorFlow</i>	GitHub
<ul style="list-style-type: none">Created AI-driven mental health support platform incorporating cognitive behavioral therapy techniques and real-time sentiment analysisExecuted natural language understanding system processing , featuring conversational interface and crisis detection mechanisms	

Achievements & Certifications

Competitive Programming <i>LeetCode Contest Rating: 1,492 / Solved 300+ Data Structure and Algorithm Problems</i>	2025
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Additional Information

Languages: English (Fluent), Hindi (Native)
Interests: Open Source Contribution, Hackathons, Competitive Programming, Technology Innovation