

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: 8.03/10</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, C++
Frontend Technologies: React.js, HTML5, CSS3, JavaScript ES6, Bootstrap, Responsive Web Design
Backend Technologies: Node.js, Express.js, Flask, RESTful APIs, Microservices Architecture
Databases: MongoDB, MySQL, PostgreSQL, Database Design, Query Optimization
Machine Learning & AI: TensorFlow, Scikit-learn, Pandas, NumPy, Natural Language Processing, Deep Learning
Tools & Technologies: Git/GitHub, Docker, AWS, Postman, Agile Methodology, SDLC, Version Control

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%Deployed automated fix suggestions and vulnerability prioritization dashboard with real-time analytics, processing 500+ code files per hour for development teams	
Hire-Harbor <i>MERN Stack, MongoDB, Express.js, React.js, Node.js</i>	GitHub
<ul style="list-style-type: none">Developed responsive job portal platform using MERN stack architecture supporting 1000+ concurrent users with RESTful APIs for job posting, application tracking, and candidate management functionalityOptimized database performance and user authentication system with JWT tokens, improving application response time by 35% and securing 10,000+ user records with encrypted data protocols	
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 analysis, achieving 87% accuracy in emotion detection across 2000+ user interactionsExecuted natural language understanding system processing 50+ conversations daily with 24/7 availability, featuring conversational interface and crisis detection mechanisms with 3-second response time	

Achievements & Certifications

Competitive Programming <i>LeetCode Contest Rating: 1,492 / Solved 200+ Data Structure and Algorithm Problems</i>	2024
Academic Recognition <i>Maintained 8.03/10 CGPA /</i>	2022 - Present

Additional Information

Languages: Java , Javascript,python
Interests: Open Source Contribution, Hackathons, Competitive Programming, Technology Innovation