

JAHNVI SAXENA

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Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science and Engineering (3rd Year, CGPA: 8.0)

Oct. 2022 – Present

Bhopal, India

Kendriya Vidyalaya, Indore

Class XII Board Examination (89.6%)

Apr. 2016 – Apr. 2021

Indore, India

Kendriya Vidyalaya Steel Plant, Visakhapatnam

Class X Board Examination (89.4%)

Apr. 2021 – Apr. 2022

Visakhapatnam, India

Projects

CodeGuard AI | *Express.js, React.js, Flask, Python, Machine Learning*

GitHub

- Developed an AI-powered code analysis tool for automated vulnerability detection and security scanning in software applications using machine learning algorithms and pattern recognition techniques.
- Implemented intelligent code review system with natural language processing capabilities to identify security flaws, code quality issues, and potential exploits across multiple programming languages.
- Integrated automated fix suggestions and vulnerability prioritization features, reducing manual code review time by providing actionable remediation recommendations for development teams.

Hire-Harbor | *MERN Stack, React, Node.js, MongoDB, Express.js*

GitHub

- Designed responsive user interface with React.js and implemented RESTful APIs using Node.js and Express.js for efficient job posting, application tracking, and candidate management functionality.

AI-Powered Resume Screening System | *Python, NLP, Machine Learning, OCR*

GitHub

- Automated recruitment workflows using natural language processing and machine learning algorithms for intelligent resume parsing, keyword extraction, and candidate ranking based on job requirements.

SereNova - Mental Health Chatbot | *Python, NLP, Sentiment Analysis, AI*

GitHub

- Engineered an AI-driven mental health support platform incorporating cognitive behavioral therapy (CBT) techniques, real-time sentiment analysis, and crisis detection mechanisms for personalized user interactions.
- Implemented natural language understanding and empathetic response generation to provide 24/7 mental health assistance with user-friendly conversational interface and emotional support capabilities.

Quiz-mania | *JavaScript, HTML5, CSS3, DOM Manipulation*

GitHub

- Developed interactive web-based quiz application with dynamic question loading, real-time scoring system, and comprehensive performance analytics to enhance user engagement and learning outcomes.

Technical Skills

Programming Languages: Python, Java, JavaScript, HTML5, CSS3

Frameworks and Technologies: React.js, Node.js, Express.js, MongoDB, MERN Stack, Git/GitHub, Flask

Achievements

LeetCode Competitive Programming

2024

Contest Rating: 1,492