Vanshika Jain

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EDUCATION

Vellore Institute of Technology, Andhra Pradesh 2021 – 2025
B. Tech in Computer Science and Engineering with specialization in Cyber Security
- Current CGPA: 8.28

JRK Matriculation Higher Secondary School, Chennai 2020 – 2021
12th Grade
- Achieved an aggregate of 82.6% from Tamil Nadu Board

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, Spring Boot, MySQL
Libraries: NumPy, Pandas, Matplotlib, React, Node.js
Environments: VS Code, IntelliJ IDEA, Eclipse, Jupyter Notebook, Git, GitHub
Soft Skills: Problem-solving, Leadership, Communication, Teamwork and Collaboration, Work Ethic, Time Management, Adaptability, Critical Thinking, Attention to Detail

Work Experience

MERN Full Stack Externship, Ethnus *08/2023 – 11/2023*
- Explored full-stack development using the MERN stack.
- Built and deployed a To-Do application with essential features for managing tasks.
- Enhanced user experience by implementing seamless frontend-backend integration.

AI for Cyber Security with IBM QRadar Externship, SmartBridge *08/2023 – 11/2023*
- Learned to use IBM QRadar to enhance cybersecurity systems.
- Worked on creating AI models for detecting and analyzing anomalies in network traffic.
- Gained experience in ethical hacking techniques and AI-driven threat detection.

Projects

ToDo Application (MERN Stack) *10/2023 – 11/2023*
- Designed a task management tool with functionalities to add, update, and remove tasks.
- Integrated a user-friendly interface with efficient backend operations for a smooth experience.
- **Tools/Technologies**: MongoDB, Express.js, React.js, Node.js, JavaScript, CSS.

Water Quality Treatment (Machine Learning) *02/2024 – 05/2024*
- Developed a machine learning model to classify water quality as pure or impure.
- Applied clustering techniques to achieve 90% accuracy, utilizing PyCaret for model optimization.
- **Tools/Technologies**: Python, PyCaret, Scikit-learn, Pandas.

Phishing Website Detection *03/2024 – 03/2024*
- Built a detection system for phishing websites with 95% accuracy.
- Deployed the solution via Streamlit for real-time phishing identification.
- **Tools/Technologies**: Python, Scikit-learn, Streamlit, Pandas.

CERTIFICATES

MERN Full Stack Externship *Ethnus*
AI for Cyber Security with IBM QRadar *SmartBridge*
Advanced Java *Icode*