Kushank Jain

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EDUCATION

Vellore Institute of Technology, Andhra Pradesh 2021 – 2025
B. Tech in Computer Science and Engineering with specialization in AI ML
- Current CGPA: 8.56

Shardashram Vidyamandir Jr College of Science 2020 – 2021
12th Grade
- Achieved an aggregate of 92.17% from Maharashtra Board

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, Spring Boot, XML, MySQL
Libraries: TensorFlow, Keras, NumPy, Pandas, Matplotlib, scikit-learn, Clustering Techniques(K-means, DBScan), React, Node.js
Environments: VS Code, IntelliJ IDEA, Eclipse, Jupyter Notebook, Git, GitHub, Android Studio
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*
- Developed full-stack web apps using MERN. Implemented UI and backend services.

AI for Cyber Security with IBM QRadar Externship, SmartBridge *08/2023 – 11/2023*
- Enhanced Cybersecurity using IBM QRadar. Developed ML models for anomaly detection.

Full Stack Web Development (Training + Internship), Yhills *03/2022 – 04/2022*
- Completed training with HTML, CSS, JS projects. Built and deployed web applications.

PROJECTS

Trash Detection and Classification *10/2024 – Present*
- Developed a machine learning model to detect and classify different types of trash (e.g., recyclable, non-recyclable) to support waste management and environmental sustainability efforts.
- Collected and preprocessed a labeled dataset of trash images, implementing data augmentation techniques to improve model generalization.
- Trained a CNN model to accurately classify trash into distinct categories, achieving high accuracy in both training and validation sets.
- **Tools/Technologies**: Python, TensorFlow, Keras, OpenCV, Convolutional Neural Networks (CNN)

Water Quality Treatment (Machine Learning) *02/2024 – 05/2024*
- Built a model to classify water quality as pure or impure.
- Achieved 90% accuracy using clustering algorithms and PyCaret.
- **Tools/Technologies**: Python, PyCaret, Scikit-learn, Pandas.

Phishing Website Detection *03/2024 – 03/2024*
- Created a system to detect phishing websites with 95% accuracy.
- Deployed the model with Streamlit for real-time detection.
- **Tools/Technologies**: Python, Scikit-learn, Streamlit, Pandas, Machine Learning models.

CERTIFICATES

Full Stack Web Development *YHills*
Python for Data Science *Cognitive Class AI (IBM)*
Data Analysis using Python *Cognitive Class AI (IBM)*
Data Visualization using Python *Cognitive Class AI (IBM)*
MERN Full Stack Externship *Ethnus*