Pooja Pansare

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WORK EXPERIENCE

Data Science Intern: Quick Heal   Aug 2023 - Nov 2023

- Engineered a model to address the limitations of traditional encoding methods for high-cardinality variables.
- Utilized algorithms such as linear regression, neural networks, and GLMMNet, identifying GLMMNet as the most effective solution.
- Successfully delivered the project to supervisors and received recognition for the achievement.

Artificial Intelligence Intern: Erian, Singapore   Mar 2024 - May 2024

- Utilized Generative AI technologies to create training and testing datasets for Electric Vehicles (EVs).
- Designed and implemented a Generative Adversarial Network (GAN) featuring both Generator and Discriminator components.
- Generated over 1,000 high-quality samples for Electric Vehicles (EVs) and successfully delivered them.

PROJECTS

Movie Genre Prediction   Link

Tech Stack - ML, Python, NLP, Pandas, NLTK, scikit-learn, MultiLabelBinarizer.
Developed a Movie Genre Classification model by cleaning and merging datasets, visualizing genre distribution, and preprocessing plot summaries. The model was trained using logistic regression on features extracted with TfidfVectorizer.

Vehicle Camera Fusion for Aerial View Mapping   Link

Tech Stack - Python, TensorFlow, PyTorch, ML, CARLA Simulator, Docker.
Developed a deep learning model that transforms multi-camera vehicle images into a bird's-eye view (BEV) using the CARLA simulator. The model uses a U-Net architecture with SegFormer and Inverse Perspective Mapping (IPM), achieving a Mean Intersection-over-Union (MIoU) of 55.31

EDUCATION

2021 - 2024	B.Tech in CS Specilization in BA at **Vishwakarma University**	(CGPA: 8.7/10)
2018 - 2021	Diploma in CS at **AISSMS Polytechnic**	(Percentage: 89.90%)

SKILLS

Languages:	Python, ML, DL, NLP, GAN ,BI, GenAI, Linux, Java, HTML, SQL
Database:	MySQL, Postgres, Oracle
Tools & Development:	Excel, Power-BI, Tableau, Github
Library:	Numpy, Pandas, Scikit-learn, TensorFlow, PyTorch, Keras, NLTK
Soft Skills:	Communication, Problem-Solving, Team Collaboration, Critical Thinking

ACHIEVEMENTS

IBM Hackathon, IBM-ICE Day Hackathon organized by IBM, Pune: 1st Position   Link

Participated and Achieved, Smart India Hackathon (SIH-2024): 6th Position   Link