Mohammed jaasir

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Executive Summary

An innovative B.Tech AI & DS student passionate about designing scalable data pipelines and deploying AI-driven solutions. Proficient in **Python**, TensorFlow, and PyTorch, with a strong foundation in data architecture and **machine learning.** Strong skills in data analysis and transforming data into actionable insights**, algorithm design**, and technical process documentation. Eager to bring innovation and technical expertise to impactful **AI projects** through an internship.

Technical Skills

- Programming Languages: Python, C
- AI/ML Frameworks: TensorFlow, PyTorch, Deep learning, open CV
- Tools: Git, Github
- NLP & Transformers: Hugging Face (GPT, Text Classification),NLP
- Kaggle Competitions: Data Science
- Cloud Platforms: Google Cloud
- Soft Skills: Problem-solving, teamwork, communication,collaborate, guidance

Freelance Projects

AI Collision Alert System for Smart Streets | Demo🔗
June-July 2024
-Developed an AI-based system using computer vision for pedestrian safety. Integrated real-time data processing and object detection to predict and alert for potential collisions. Responsibilities: Designed and implemented algorithms for collision prediction following best practices in software engineering. Tools: Python, OpenCV, TensorFlow, Keras, IoT devices

V2V Communication Prototype for Road Safety | Demo🔗
Sep-Dec 2024
Implemented a V2V communication network that enables the exchange of data between vehicles in real-time to achieve safe roads. Responsibilities: Analyzed low-latency communication protocols that are efficient to enable data transfer from one vehicle to another, contributing to service enhancements. Tools: Python, IoT Protocols(MQTT), Raspberry Pi

Distance Detection by Self-Driving Car | Demo🔗
Aug-Sep 2024
Developed a distance detection system using TensorFlow for autonomous vehicle collision prediction. Integrated sensor data to enhance safety features for self-driving cars. Responsibilities: Collaborated with a team member to analyze sensor data and enhance model performance. Tools: Python, TensorFlow, OpenCV, LIDAR, Camera Sensors

NLP Text Classification with Hugging Face | Demo🔗
Nov-Dec 2024
Developed an NLP model using Hugging Face's transformers for high-accuracy text classification tasks. Fine-tuned models on custom datasets to improve performance in categorizing large-scale text data. Responsibilities: Conducted research on neural networks and their implementation for language processing as part of product development. Tools: Python, Hugging Face Transformers, scikit-learn, Pandas

Achievements

Team Leader - Data Sprint 2.0 Hackathon Finalist
Led a team to the finals, delivering AI-driven solutions to real-world challenges. Managed project execution, task allocation, and coordination. | Linkedin🔗

Microsoft Certification - Fundamentals of AI Tools
Successfully completed the Microsoft AI Fundamentals certification, gaining proficiency in AI tools, concepts, and machine learning frameworks | Link🔗

Education

Bachelor of Technology in Artificial Intelligence & Data Science, 2023 – 2027
SNS College of Engineering, Coimbatore, india
HSC -Jairam Matriculation higher secondary school
SSLC-Royal Park Matric School