Kowshik Padala

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Profile Summary

Aspiring Data Scientist with hands-on experience in machine learning, AI, and data analysis, specializing in predictive modeling and real-time analytics. Experienced in developing AI-driven solutions for real-world challenges, with a strong foundation in Python and machine learning frameworks like TensorFlow and PyTorch. Actively seeking an internship where I can contribute to battery optimization and data-driven advancements in electric vehicle technology.

Education

Bachelor's Degree, Computer Science   *2022 - 2026*
Amrita Vishwa Vidyapeetam, Amritapuri, Kerala India
Relevant Courses: Machine Learning, Deep Learning, Data Science, Operating Systems, Algorithms & Data Structures, Computer Networking.

Skills

- **Machine Learning/Deep Learning**: TensorFlow, PyTorch, MLOps, LLM-based NLP models
- **Programming Languages**: Python, SQL, C, C++, Java
- **Tools and Technologies**: Git, Linux, BASH, CI/CD, Docker
- **Data Engineering**: Data Cleaning, Data Processing, Data Pipeline Development
- **Cloud Platforms**: Amazon Web Services (AWS), Google Cloud Platform

Experience

AI Training & Internship Program - Languify (Dec 2022 – Mar 2023)

- Trained in AI and machine learning with hands-on experience in **building and deploying models** for natural language processing (NLP) and computer vision projects.
- **Project**: Developed models for **Landmark Detection** using TensorFlow, involving data collection, preprocessing, and real-time deployment.

Projects
Therapist and Child Detection & Tracking

- **Designed and implemented an AI-based system for detecting and tracking children with Autism Spectrum Disorder and therapists.**
- **Utilized PyTorch for model development and incorporated techniques for handling re-entries, occlusions, and multi-person tracking in videos.**
- **Built data pipelines for data cleaning and preprocessing, ensuring accuracy in real-time detection.**

Certifications

- Microsoft Certified: Azure AI Fundamentals
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional