

Padmapriya Anushka Pulimi

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EDUCATION

Bachelor of Technology in Computer Science Engineering (Data Science)

Raghu Institute of Technology

Vizianagaram, A.P

Dec 2021 - Jan 2025

INTERNSHIP EXPERIENCE

AIMSARTLIVE Solutions Pvt. Ltd. | AI/ML Engineer Intern

Apr 2025-Present

- SenseMinds 360 is a cutting-edge AI/ML platform designed for proactive hazard forecasting and anomaly detection, converting real-time telemetry into actionable insights to protect critical infrastructure.
- Architected and optimized classification and anomaly-detection pipelines through **XGBoost and IsolationForest** models, achieving 88% accuracy in early-warning event identification across diverse operational conditions.
- Deployed interactive, real-time visualization portals that surface risk scores, trend analytics, and model interpretability insights—enabling teams to monitor threats and coordinate rapid response.

PROJECTS

Image based missing child reclamation using deep learning:

Dec 2024

- Engineered a facial recognition system for missing child identification that connects law enforcement, orphanages, and parents through a centralized platform.
- Addresses the critical challenge of identifying children who have aged since disappearance, potentially reconnecting families and providing vital information to authorities.
- Built with **Python, OpenCV, PyTorch**, and **dlib** for image processing, implemented facial landmark detection and feature extraction algorithms and designed database schema optimized for facial encoding storage and comparison.
- Computer vision-based facial matching using OpenCV and custom similarity algorithms .
- Advanced age progression utilizing neural networks to visualize appearances across different ages (0-100 years).

Exploratory Data Analysis on Ultra Marathon Performance

Jan 2025

- Engineered a data pipeline to clean and transform a 7 million+ ultra-marathon dataset (1798–2022), resolving null values and mixed types, then segmented by event (50 K & 50 mi), year, gender and age to enable robust analysis.
- Developed Seaborn histograms and violin plots to reveal pace distributions, gender/age disparities and seasonal variations—delivering actionable insights on athlete performance in 2020's 50 K and 50 mi races.

TECHNICAL SKILLS

Python(Pandas), C, Java (fundamentals), SQL, Advanced MS Office, Power BI

CERTIFICATIONS

- Certified in Python Pandas, covering Series, DataFrames, joins, and Matplotlib for data analysis and visualization.
- Mastered SQL fundamentals, including DBMS, clauses, joins, and subqueries, through 50+ LeetCode problems..
- Proficient in Power B.I , with skills in dashboard creation, DAX measures, and data visualization.
- Completed a virtual internship in Policy Consulting and Product Management with Global Governance Initiative.

POSITION OF RESPONSIBILITY

Marketing member

Visakhapatnam, A.P

AIESEC (International Association of Students in Economics and Commercial Sciences)

Oct 2022- Feb 2023

- Directed awareness campaigns for Sustainable Development Goals, focusing on health, sanitation, education, and gender equality by initiating brainstorming sessions, leveraged social media platforms to amplify the message, and orchestrated performances and campaigns in about 3 colleges to engage and reach out to the community