ADEESH KRISHNA

Data Scientist

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EXPERIENCE

Data Science Intern, *Luminar Technolab* 02/2024 – present
Kochi, India

- Conducted **preprocessing** on datasets exceeding half a million entries, optimizing data quality to improve forecasting accuracy and reliability.
- Developed and implemented **machine learning** and **deep learning models**, using **OpenCV** for computer vision tasks and **GenAI** techniques for enhanced automation in data analysis.
- Built predictive models with **Pandas**, **NumPy**, and **Scikit-Learn**, achieving a 15% accuracy increase, while also creating interactive **Power BI dashboards** with **DAX** for actionable insights.
- Utilized Power BI and GenAI-based insights to communicate complex **data trends** effectively, supporting **data-driven business strategies** and **stakeholder decision-making**.

SKILLS

Programming Languages: — Python, SQL

Libraries / Frameworks: — Numpy, Pandas, Streamlit, Scikit-learn, Scikit-Image, Matplotlib, Seaborn, Keras, Tensorflow, OpenCV, MediaPipe, Generative AI, YOLO, NLP, NLTK

Tools / Platform: — Pycharm, Colab, Visual Studio Code, PowerBI

Databases: — MySQL

PROJECTS

SmartAd – Intelligent Digital Advertisement Board 08/2024

- Created an intelligent digital advertisement system using **OpenCV** and **MediaPipe**.
- Employed MediaPipe for face detection and applied pretrained Caffe models for accurate age and gender detection.
- Performed **transfer learning** with **VGG16** for fashion analysis to classify attire into modern, casual, or sportswear categories.
- Designed and deployed ML model to predict user interests and display targeted ads in real-time.

Autism Detection from Facial Images 07/2024

- Engineered a deep learning model using **Convolutional Neural Networks** to predict Autism Spectrum Disorder from facial images, achieving 82% accuracy.
- Crafted and deployed an interactive **Streamlit web app** for real-time predictions, allowing users to upload or capture images.
- Contributed to early autism detection by providing a non-invasive, automated tool to aid in timely diagnosis and intervention.

Predicting Success of Bank Marketing Campaign 06/2024

- Implemented and trained a **Random Forest Classifier** with **hyperparameter tuning**, achieving 92% accuracy and evaluating performance using **AUC-ROC curve**.
- Focused on understanding customer behavior, identifying key features influencing customer decisions, and predicting the success of marketing campaigns.

Amazon Sales Analysis Report 10/2024

- Built a three-page interactive **Power BI** report to analyze Amazon sales data, focusing on product performance, geographic distribution, and seasonal trends.
- Leveraged **engaging visuals** and **dynamic filtering** to enable users to explore top-selling products, identify high-demand regions, and track monthly sales patterns.

EDUCATION

Master of Science - Physics, *Catholicate College* 06/2019 – 07/2021
Pathanamthitta, India

- CGPA: 4.81/5

Bachelor of Science - Physics, *Catholicate College* 07/2016 – 04/2019
Pathanamthitta, India

- CCPA: 9.62/10

CERTIFICATES

NACTET — Data Science - Python

Python 101 for Data Science — Cognitive Class - IBM

SQL and Relational Databases 101 — Cognitive Class - IBM

EF SET Certificate — EF Standard English Test