ADEESH KRISHNA

Data Scientist

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PROFESSIONAL EXPERIENCE

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

- Conducted preprocessing of datasets exceeding half a million entries, optimizing data quality for analysis; this enhancement facilitated more accurate forecasting models and increased the reliability of project outcomes.
- Developed and implemented **machine learning algorithms** to address business challenges.
- Executed **exploratory data analysis (EDA)** to identify patterns and insights, leading to data-driven decision-making.
- Utilized tools such as **Pandas**, **NumPy**, and **Scikit-Learn** to build predictive models, resulting in a 15% increase in model accuracy.

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.

IPL Analysis Using Power BI (2008-2024) 07/2024

- Architected a three-page **Power BI** report analyzing IPL data with KPIs, detailed batting and bowling stats, and overall performance metrics.
- Applied advanced Power BI features like **DAX** functions, custom visuals, and data modeling for insightful visualizations..

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.

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