ATHUL KRISHNA P S

Data Scientist

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EXPERIENCE

Luminar Technohub, *Data Scientist Intern* — Aug 2024 – Present
- Processed and analyzed datasets from multiple sources, executing 10+ data processingsteps to build accurate models for predictive analytics.
- Created Python automation scripts that reduced manual data manipulation tasks by 20 hours per week, boosting team efficiency by 30%.
- Developed and deployed machine learning models utilizing 5+ algorithms, resulting in a 25% improvement in prediction accuracy and model performance.

Reliance Trends, *Customer Sales Associative* — Oct 2022 – Aug 2023
- Conducted in-depth analysis of customer feedback, identifying key pain points and implementing changes that improved the shopping experience, leading to an increase in repeat customers by 15%.
- Collaborated with team members to identify the top three frequent customer issues, implementing targeted solutions that led to a noticeable increase in positive feedback from shoppers during peak sales periods.

PROJECTS

Speech to Image Generator
- Built a system using pyaudio and speech_recognition for real-time speech-to-text conversion, followed by image generation with the Stable Diffusion model from Hugging Face.
- Managed local GPU constraints by running the model on Google Colab and utilized Ngrok for seamless integration of local audio processing and remote image generation

Hand Sign Mudra, *Kathakali Hand Sign Mudra*
- Developed a real-time gesture recognition system using Mediapipe's hand landmark detection to accurately identify 19 distinct Kathakali mudras based on hand movements, ensuring high precision.
- Processed and analyzed hand gesture data to fine-tune recognition performance, improving user experience and achieving consistent recognition results without requiring custom model training.

Amazon Product Reccomendation System
- Built an NLP-driven recommendation engine, processing 20,000 product descriptions and reviews to deliver personalized product suggestions, improving recommendation accuracy by 20%.
- Engineered a system to identify top 5 products based on user preferences, improving user retention by 15%.

Massachusetts General Hospital KPI Report
- Integrated data from 5 sources and cleaned a dataset of 46,000 patient records (2011–2022) to create a comprehensive KPI report with 30 interactive Power BI visualizations, reducing reporting time by 50%.

HR Analysis
- Extracted and cleaned HR data, identified employee trends, created predictive models forpromotions, experimented with machine learning algorithms, and model with 94% accuracy

SKILLS

Data Science/Machine Learinig/Deep Learnig
Python, Data Visualisation , Power BI , Supervised &Unsupervised ,NLP, EDA , FeatureEngineering , Feature Section & Extraction , CNN ,RNN , ANN , TensorFlow ,Computer Vision

Programming Language
Python , SQL

Python Packages
Pandas,Numpy,Scikit-Learn,Matplotlilb

Soft skills
Communication,Problem solving,Critical Thinking,Collaboration

EDUCATION

Luminar Technolab, *Data Science* — Nov 2023 – Jul 2024

Prof. Joseph Mundassery Memorial Co-Operative Training College Centre, *HDC & BM* — 2021 – 2022

SNM Maliankar, *BSc Mathematics* — 2018 – 2021

CERTIFICATES

- Python 101 for Data Science, Cognitive Class
- Basics of Machine Learning, Great Learning
- SQL Advance Cerftificate,Hacker Rank