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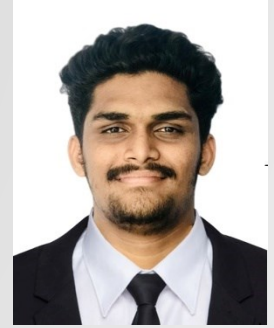
LinkedIn

Portfolio

United Arab Emirates

MOHAMMED SWANED

DATA ANALYST



EDUCATION

Aligarh Muslim University | 2022 – Jun 2024

Master of Science in Data Science

CGPA: 8.43

University of Calicut | 2019 - May 2022

Bachelor of Science in Mathematics

CGPA: 8.91

SKILLS

Python – Colab, Jupyter Notebook

R – Rstudio

SQL - MySQL, Oracle, Snowflake

SPSS – Time Series, Regression, ANOVA,

Power BI – DAX, Power Query

MS Office – Word, Excel, PowerPoint

Cloud: AWS, Azure

Machine Learning & Deep Learning

Natural Language Processing

Data Analysis

Data Preprocessing

Data Visualization

Research & Development

EXPERIENCE

March 2024 – Aug 2024

Data Analyst/ Data Science Mentor | DDUGKY, India

- Created an interactive dashboard for an EV distributor using Rstudio, improving territory management, sales force effectiveness, and resource allocation through KPI analysis and advanced statistics.
- Designed data-driven predictive models to evaluate branch performance using stats library in R and inform strategic decision-making for resource allocation.
- Designed an M/M/k queuing model in Excel for a retail client, improving customer flow and reducing wait times in supermarket operations.
- Developed a machine learning model for document relevance classification using Python and NLP techniques, including text preprocessing with NLTK and exploring neural network architectures like GRUs and Bidirectional GRUs
- Mentored 50+ students in AI/ML concepts, achieving an 85% course completion rate and successful job placements

Jan 2024 – Jun 2024

Research Analyst – internship | Google Research, IIT Roorkee, India

- Selected for the prestigious Google Research-sponsored ExploreCSR 2023-24 Mentorship Program at IIT Roorkee, conducting remote research on advanced traffic management systems from January 2024 to June 2024.
- Engineered an AI-powered traffic management system utilizing YOLOv8(Object Detection) architecture, achieving real-time vehicle detection and classification with over 85% accuracy in various traffic conditions.
- Created a large traffic video dataset with detailed annotations using Roboflow to provide accurate training data for models in different urban settings.
- Implemented data preprocessing techniques using OpenCV to handle challenging scenarios including bad lighting, obstructions, and weather changes, making the model more reliable.
- Participated in weekly virtual research meetings with the IIT Roorkee team, presenting progress updates and incorporating feedback to enhance system performance.

SOFT SKILLS

Organized and executed conferences and technical fests, showcasing strong event planning, coordination skills, attention to detail, and the ability to create engaging experiences for attendees.

Led cross-functional teams for various academic projects, demonstrating effective leadership, collaboration, problem solving skills and project management skills, consistently driving successful completion

Oct 2022 – Dec 2023

Data Analyst – *Part-time* | TrueD Revealing Insights, India.

- Developed optimized SQL queries in Google BigQuery to analyze large datasets, improving data accuracy and enhancing predictive analytics capabilities.
- Executed projects by applying data cleaning, data mining, exploration, advanced visualization, statistical modeling, machine learning, and data mining using Python, R, and Power BI to deliver impactful insights.
- Developed an interactive Power BI dashboard for a pharmaceutical company, using star schema and row-level security to reveal insights, including 25% YoY sales growth and top 5 underperforming regions through advanced DAX analysis
- Responsible for Designing a database for a courier service using SQL, creating an efficient schema to manage customers, parcel tracking, payments, and claims.