Muhammed Dhanish

dhanishdhani301@gmail.com | +91 8593834727
LinkedIn: linkedin.com/in/muhammed-dhanish | GitHub: github.com/Dhanish-dhani

Profile Summary

A recent graduate with a Master's in Big Data Analytics from the Central University of Rajasthan, I am passionate about applying data science and analysis to solve real-world problems. With expertise in Python (Pandas, NumPy, Matplotlib, Scikit-learn) and SQL, alongside proficiency in data visualization tools like Power BI and Excel, I bring a comprehensive skill set in data collection, cleaning, preprocessing, exploratory analysis, statistical analysis, and machine learning. My hands-on experience and technical acumen position me to deliver valuable insights, support strategic decisions, and drive business success through impactful data solutions.

Education

Central University of Rajasthan

MSc. Big Data Analytics | May 2024 | Rajasthan, India

- **Relevant Courses:** Programming for Data Science, Statistical Theory and Methods, Machine Learning, Statistical and Linear Algebra, Econometrics, Data Mining

University of Calicut

Bachelor of Computer Applications | April 2021 | Kerala, India

- **Relevant Courses:** C++ Basics, MySQL, Data Structure and Algorithms, HTML, Java, Software Engineering

Work Experience

Unified Mentor

Data Analyst Intern | Feb. 2024 – Aug. 2024 | Remote

- Collected data from various web resources for specific project needs, ensuring comprehensive data coverage.
- Gained hands-on experience in data analysis by collecting, cleaning, and processing large datasets for multiple projects.
- Performed exploratory data analysis (EDA) to identify trends and patterns, delivering actionable insights.
- Developed interactive dashboards using Power BI to create effective visualizations for stakeholder communication.
- Applied statistical analysis techniques to support data-driven decision-making, backing recommendations with solid evidence.

YBI Foundation
Data Science and Machine Learning Intern | Aug. 2023 – Sep. 2023 | Remote

- Collected data from several websites and coordinated it using Excel.
- Utilized MySQL queries for accessing and manipulating data across different databases.
- Performed data preprocessing and feature engineering for project analytics using Python. • Applied Random Forest Classifier to understand classification problems, ensuring model accuracy.
- Conducted EDA using Matplotlib and Seaborn for data visualization.

Projects

Handwritten Digit Prediction | Aug. 2023 – Sep. 2023

- Developed a machine learning model for handwritten digit recognition using the Random Forest Classifier, achieving 97% accuracy.
- Utilized the datasets.load_digits() function to load and return the digit dataset.
- Leveraged feature engineering techniques to optimize grayscale image data, represented by arrays of 88 values per image.
- Conducted exploratory data analysis to identify key features and enhance model performance.
- Ensured robust classification capabilities, delivering reliable predictions for digit recognition task.

FDI Analytics in India | Feb. 2024 – Aug. 2024

- Analysed historical Foreign Direct Investment (FDI) trends in India from 2000-01 to 2016-17 across 18 sectors.
- Developed and prepared a comprehensive dataset to explore sector-wise and year-wise investment patterns.
- Applied ARIMA and Prophet models for time series forecasting to enable data-driven predictions on FDI inflows.
- Created a detailed Power BI dashboard for visual insights into sector-specific investment trends.
- Identified macroeconomic factors and key metrics influencing FDI, supporting risk minimization and opportunity identification.

Skills

- **Technical Skills:** Python (Pandas, NumPy, Matplotlib, Scikit-learn), SQ, Data Science and Analysis, Data Collection, Data Cleaning and Preprocessing, Exploratory Data Analysis, Statistical Analysis, Machine Learning, Power BI, Excel, Matplotlib, Seaborn
- **Tools:** Jupyter Notebook, GitHub, VS Code, MS Office
- **Soft Skill:** Communication, Problem Solving, Teamwork

Languages
- **English, Malayalam, Hindi, Tamil**