Zubair Ahmad

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Portfolio: iamzubair.netlify.app

Education

Anglia Ruskin University – MSc in Business and Data Analytics — Present

- Relevant Coursework: Big Data Analytics and Decision Making, Statistical Modeling of Data

National University of Computer and Emerging Sciences – BSc in Computer Science — June 2023

- Relevant Coursework: Artificial Intelligence, Applied Machine Learning, Data Mining, Information Systems

Skills

Programming Languages: Python, SQL, PySpark, Spark SQL, DAX
Libraries/Frameworks: Pandas, Seaborn, Matplotlib, Sklearn, Plotly, Linear Regression, Gradient Boosting
Platforms/Tools: Databricks, Azure Data Lakes, Azure Synapse Analytics, Oracle, SSMS, Power BI, Tableau, Notebooks (Jupyter, Google Colab), Linux, Git.

Experience

Data Analyst, CSCR Policy Institute — September 2023 – January 2025

- Designed end-to-end data analysis workflows supporting policy research on development projects worth $46 billion.
- Used Azure Synapse Analytics platform for unified data processing, created data segmentation using dedicated SQL pools for efficient organizing and querying of data.
- Performed extensive cleaning, anomaly detection, and transformation on the distributed dataset using PySpark.
- Analyzed datasets to identify critical patterns and trends, developed machine learning models such as Linear Regression, Gradient Boosting via Sklearn for predictive insights supporting executive level policy decisions.
- Linked structured data and integrated Azure MAPs to Power BI dashboards to geographically map each projects location and providing all essential detail with a single click on project icon on map.

Research Assistant Internship, Pantellica — Jan 2023 – June 2023

- Collaborated on an open-source research project by collecting, cleaning and transforming data.

Projects and Certifications

Grade Prediction Model – Pandas, Numpy, Sklearn, Seaborn, Matplotlib

- Built and compared machine learning models like KNN, Decision Tree, Naive Bayes to predict student final exam grades using historical semester performance data.
- Achieved 89% prediction accuracy for the optimal model via manual hyperparameter tuning and performance optimization techniques.

Crop Market's Trend Analysis Tool for Smallholders – React.js, Node.js, HTML, CSS, Python, Sklearn, Mongo DB

- Led a 3-member team in developing a real-time market forecasting tool, integrating machine learning models into a full-stack application architecture.
- Automated data ingestion pipelines using Python and built dynamic dashboards with Plotly for real-time forecast visualization and monitoring.

Certification: Fabric Data Engineer Associate (Current Progress 40%) — Microsoft
Certification: Building AI Browser Agents — DeepLearning.AI
Certification: Exploratory Data Analysis — Coursera