HAARIS SULTAN

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EDUCATION

AiCore – Data Analytics   **Nov 2023 – Jan 2024**
- Built two industry-standard projects involving data cleaning, exploratory data analysis and reporting
- Completed 15+ courses on topics including object-oriented programming, data cleaning with pandas, Azure and AWS, Power BI and SQL

University of Kent – Computer Science (BSc)   **Sep 2019 – Jul 2023**
- First Class with Honors
- Awarded Scholarship for Academic Excellence
- Modules included Artificial Intelligence, Quantum Cryptography & Computing and Databases

PROJECTS

Exploratory Data Analysis (EDA) on Customer Loans in Finance | View github repository
Demonstrated expertise in EDA by conducting a comprehensive analysis of a loan approvals dataset:
- Employed 6+ technologies: Python | SQLAlchemy | Matplotlib | AWS RDS | pandas
- Retrieved 50.000+ rows of data from RDS database utilising a Python class and SQLAlchemy, implemented further analysis using Pandas
- Leveraged imputation/removal strategies to manage 100% of missing values, normalised skewed columns and eliminated outliers, maximising analysis accuracy
- Answered 10+business questions, utilising SQL to extract meaningful and actionable insights, facilitating informed decision-making
- Composed 12+ visualisations to investigate trends and insights from analysed data

Data Analytics Power BI Report | View github repository
- Utilised 5+ tools: PostgreSQL | Microsoft Remote Desktop Protocol | Power BI | Azure SQL Database
- Imported 4 tables from Azure SQL Database via an Azure Virtual Machine into CSV files
- Generated 4+ report pages in Power BI, using slicers, filters and other tools to display key metrics and facilitate seamless exploration with the data
- Extracted 14 tables via SQL containing similar data to demonstrate alternatives to Power BI
- Constructed 5 SQL queries to answer business questions derived from the dataset

WORK EXPERIENCE

BAE SYSTEMS (Embedded Systems Software Engineer Intern*)*   **Jun 2022 – Sept 2022**
- Attained basic C++ proficiency, subsequently refactored legacy codebase and removed 75% of redundant lines
- Collaborated closely with a 4-person hardware team as the sole software representative; adapted communication style for non-technical audiences
- Spent less than 90 days developing functioning prototype via consistent collaboration
- Formulated 3+ pages of a Software Requirements Specification pursuant to company guidelines, aimed at educating new employees about Embedded Systems

SKILLS & OTHER

Tools: Python, Java, SQL (PostgreSQL), C++, AWS, Azure, GIT, GitHub, Docker, Jupyter Notebooks, Haskell, Pandas, SQLAlchemy, Matplotlib, Power BI, Processing, YAML, missingno, seaborn, SciPy, scikit-learn, statsmodels, NumPy
Certifications: LinkedIn Learning: Learning Docker (2018)