

Zeeshan Majeed

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EDUCATION

MASTER'S IN DATA SCIENCE - DATA ENGINEERING

Uppsala, SE | Aug 2022

UPPSALA UNIVERSITY

Master Thesis: Genetic Counselling Using LLM

Semester Project: Facial Recognition Pipeline Using InsightFace and DeepFace

WORK EXPERIENCE

VALUECHECKER.AI | PYTHON DEVELOPER - DATA ENGINEER Stockholm, SE | March 2023 – Current

- Led the design and implementation of backend processes including **Web scraping**, **Data normalization and Transformation**. Worked with **AWS services for data storage (S3)**, cataloging with **AWS Glue** and analysis with **AWS Athena**.
- Orchestrated the migration from **Python 2.7 to 3.11**, adopting **Docker** for containerization. Enhanced DevOps processes with **Airflow DAGs** to establish robust data workflows, facilitating complex data processing and automation.
- Created and managed **RESTful** web APIs using **Flask** and **FastAPI**, focusing on optimizing performance and ensuring secure, seamless connections between databases and front-end systems.


GIANT GROUP | SOFTWARE ENGINEER London, London | Nov 2020 - Aug 2022


- Utilized **Python** and **SQL**, including **SQL scripting**, to execute various operations like driving process efficiency, and enhancing data management.
- Managed front-end and back-end operations using **C#**, **Angular**, **Asp.net web forms**, **MVC models**, **Rest API's**, and **Entity Framework**, ensuring cross-browser and mobile compatibility.
- As a **data analyst**, conducted comprehensive data analysis on large datasets using Python libraries (**Pandas**, **Numpy**, **Matplotlib**) and designing dashboards using **PowerBi**.


PAKISTAN INFORMATION TECHNOLOGY COMPANY | WEB DEVELOPER LHR, PAK | May 2020 – Nov 2020


- Managed the entire Front End, Backend, and Serverside development of the application using **HTML**, **CSS**, **JavaScript**, **PHP**, **Bootstrap**, **Foundation**, **Form validations**, and **jQuery**. Responsible for working with JavaScript libraries like **charts.js** and **highcharts.js**
- Managed the database operations at **MySQLi PHPMyAdmin**. Testing and Deployment of the application. Daily commits on **SVN**


PROJECTS


AUTOMATED WEB SCRAPER  **PYTHON 3.11, AIRFLOW, AWS S3, AWS EC2, BEAUTIFULSOUP, BOTO3**
Project to automates the extraction of phone prices from the website, processes the data, and uploads it to AWS S3. It showcases an end-to-end ETL pipeline orchestrated by Apache Airflow, with AWS S3 for storage.


CREDIT POLICY CHECKER  **PYTHON 3.11, FLASK, JSON, JAVASCRIPT, DOCKER, POSTMAN**
A credit policy checker that allows to the customers to check if they are allowed to get certain offers or loan based on their credit history.

FILE MANAGEMENT  **PYTHON 3.7+, FASTAPI, UVICORN, PYTEST, POSTMAN**
A program that authenticates users based on their typing patterns. And a spoofer that uses the genetic algorithm to mimic the user's typing pattern.

FACE RECOGNITION PIPELINE  **PYTHON 3.11, MACHINE LEARNING, AI, FACE RECOGNITION**
The project aims to evaluate and compare the performance of DeepFace and InsightFace frameworks in face recognition tasks, focusing on accuracy, speed, and scalability.

DATA ANALYSIS IN ML  **PYTHON, STATISTCAL ANALYSIS, ML, MODEL TUNING**
We looked at 1037 films data set of Hollywood movies and their leading roles. We analyzed the data set, brought insights out of it, and tried to come up with the assumption that we could predict the lead role in a movie based on what features (given in the data set).

FINANCIAL AND SALES ANALYSIS  **PYTHON, POWERBI, DATA ANALYSIS**
Created the financial report and slaes report for the giant group and generated ingights from it to have an overall view in terms to company's progress and where does company stands now and what are the areas to improve.

MONTYHALL APP  **C#, .NET, WEBAPI, SWAGGER, REACTJS**
Goal of the API is to allow users to test the probabilities associated with the Monty Hall problem, specifically examining the outcomes based on whether they choose to switch doors or stay with their original choice after one of the non-selected doors is revealed.

SKILLS

Languages: Python, C#, PHP, SQL

Web Development & Api: Flask, FastApi, JavaScript, JQuery, MaterialUI, HTML/CSS

Technology: Git, GitLab, CI/CD, Bash, Linux, AWS, RestApi's, Docker, Apache Airflow, SSMS, Selenium, Postman, Grafana