SHEIKH MUHAMMAD JAWAD

BACKEND DEVLOPER AND DATA ANALYST

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Results-oriented Backend Developer and Data Analyst with 2 years of experience in developing scalable Django applications and deriving actionable insights with Python. Experienced in REST APIs, PostgreSQL, data visualization, automation and real time data scripting from serverside

AREA OF EXPERTISE

Python/Django/flask Data Analysis/matplot/seaborn	Jwt Auth , Sentry web scrapping&scripting	Deployment(AWS,Digital ocean) Github,Database(Postgresql,mongodb,mysql)

KEY ACHIEVEMENTS

- **Data Automation.** Built automated data pipelines to clean and analyze large datasets, reducing manual reporting time by 60% pipelines should automatically preprocess data perform desire EDA and genreate report
- **Backend Design.**Implemented role-based access control (RBAC) using redis and celery and permission-based APIs for secure admin and user flows leveraging proper authentication with continuous improvement by using third party tolls to monitor any vulnerabilities

PROFESSIONAL EXPERIENCE

Associate Software Engineer, Deutics Global   **Dec 2024 - Present**

- Built a full-fledged Flask microservice for real-time video backup integrated with a Django backend, managing AWS S3 storage, server-side retry logic, and URL-based broadcasting for seamless file handling

- Developed a fully configurable data extraction script running continuously on the server to fetch data from client PCs, with adjustable scheduler, logging, and runtime settings for flexible automation

- Developed a dynamic web crawler tool with scheduled crawling, multi-sheet Excel export (metadata, headings, keywords, numerical data), and automated email delivery based on user-defined prompts.

- Built an end-to-end data analysis tool that auto-detects data types, performs EDA, visualizes insights, and generates a zip file with cleaned datasets, feature extraction results, graphs, and a comprehensive report boosting efficiency by 70%

EDUCATION

Bachelor of Computer Science   **Sep 2020 - Dec 2024**

University of South Asia

- Object Oriented Programming , Data Structure , Web Devlopment , Programming Fundamentals(C++,python,reactjs ,html css javascript) , Cloud Computing , information Security , Big Data Analytics , Machine Learning.

ADDITIONAL INFORMATION

- **Languages:** English, Urdu.
- **Certifications:** Meta backend django devloper , Prompt Engineer
- **Awards/Activities:** Published author of the research paper 'Harnessing Language Intelligence Using NLP' in an HEC-recognized journal also indexed on Google Scholar.