Muhammad Fawad

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Experience

Software Engineer TachyonTech,
Jan. 2024 - Aug. 2024

- **Full-Stack Development Expertise:** Successfully delivered multiple projects as a full-stack developer, specializing in backend development while proficiently contributing to frontend tasks as needed.

- **Mentorship and Technical Leadership:** Guided junior developers and interns in both frontend and backend technologies, fostering their growth and ensuring project success.

- **Server Management and Administration:** Demonstrated expertise in managing cPanel and VPS servers, ensuring optimal performance and reliability of web applications.

Education

Bachelors of Computer Science Comsats Wah Campus,
Artificial Intelligence *2020 - 2024*

Project

PlotAnt | visit
Framework: Django, ReactJS *Jun 2024 - Present*

- Backend development of "Plotant" a comprehensive data analysis and visualization platform enabling researchers to generate, customize, and export publication-ready charts.

- Implemented robust API endpoints to facilitate seamless data processing, chart generation (including conversion to LaTeX code), and secure payment processing for various subscription tiers.

RAG with SQL Agent | visit
Framework: streamlit, langchain *May 2024*

- Developed a Streamlit-based interfaceintegrating LangChain and Large Language Models (LLMs) to enable users to query uploaded databases using natural language prompts.

- Implemented a robust SQL agent that translates user prompts into executable SQL queries, dynamically fetching relevant data from uploaded databases based on LLM-generated instructions.

CentralPOS | visit
Framework: Laravel *May 2024 - Present*

- Led development of a comprehensive Point of Sale (POS) system enabling businesses to streamline sales,inventory, and staff management processes, resulting in improved operational efficiency and increased revenue.

- Implemented key features including customizable product catalogs, secure payment processing, and integrated order tracking, enhancing the customer experience and facilitating seamless business operations for diverse clients.

Labor Lobby

Framework: Laravel   *May 2023*

- Developed a comprehensive web platform using Laravel for connecting skilled laborers (electricians, carpenters, etc.) with potential hirers, streamlining the hiring process for both parties.

SmartFaceSearch

Framework: Django, Flutter   *Jun 2024*

- Developed and deployed the back-end infrastructure of a facial recognition application using Django, facilitating seamless integration with Flutter front end for real-time face matching.

- Implemented a robust face matching algorithm leveraging deep neural networks, ensuring high accuracy and efficiency in identifying individuals within a database

Tapiit | visit

Framework: Laravel   *Feb 2024*

- Developed an e-commerce platform utilizing Laravel for the purchase of personalized business cards, integrating a unique QR code generation feature for seamless profile sharing.

- Implemented a QR code-based system linked to user profiles, enabling instant access to contact information and networking opportunities upon scanning.

SpeakWise   FYP

Framework: Django   *2024*

- Developed "SpeakWise" a web platform using NLP to help users prepare for interviews and companies streamline hiring.

- Leveraged AI to provide personalized feedback to job seekers and comprehensive candidate assessments to organizations.

Skills

Programming: Python, JavaScript, php

Framework: Transformers, Langchain, Pandas, HuggingFace, Django, FASTAPI, FLASK, Laravel

Databases: MySQL, Mongodb, Sqlite

Cloud Computing: DigitalOcean, Vultr

IDE: Anaconda, Spyder, Jupyter, Visual Studio

Operating Systems: Ubuntu, Windows