Syed Haider Ali Zaidi

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Education

FAST National University of Computing and Emerging Sciences Islamabad
BS Computer Science Aug 2019 - July 2023

Work Experience

Conovo Technologies Lahore, Pakistan
Python Backend Developer July 2023 - Present

- Developed a high-performance RESTful API using Django Rest Framework, resulting in a 25% increase in application efficiency and a 20% reduction in response time. Collaborated with stakeholders to optimize code, achieving a 30% increase in system efficiency and a significant 15% reduction in operational costs. Managed and optimized databases using SQL and NoSQL technologies, leading to a robust 40% increase in data accuracy and a notable 20% reduction in data processing time. Utilized Redis for in-memory data storage, reducing data retrieval time by 70%. Deployed applications on EC2, implemented AWS CodePipeline, and utilized CloudFront and various cloud services, enhancing overall system performance. Integrated third-party APIs such as payment gateways , google maps and SMS services. Established CI/CD pipelines for efficient code deployment. Working with LLM and Natural Language Processing, implemented RESTful APIs with FastAPI and seamlessly integrated a GraphQL API into the back-end architecture, ensuring flexible and efficient data exchange. Collaborated on the development of advanced applications, implementing modern features to improve usability and cater to a large user base. Worked with large datasets, employing tools like NumPy and Pandas for data cleaning and analysis during development, ensuring data quality and reliability. Prepared and maintained system documentation for the plan, design, and functionality of the backend system. Implemented data scraping workflows with Apache Airflow in Python, streamlining data extraction processes for enhanced efficiency.

Technocollabs Remote
AI Developer - Intern Aug 2022 - Oct 2022

- Machine Learning · Data Science · Python (Programming Language) · Flask

HighBit Technologies Lahore, Pakistan
Software Developer - Intern Jun 2022 - Aug 2022

- Developed new user-facing features using Node.js - Built reusable components for future use – Optimized components for maximum performance across a vast array of web-capable apps - Used RESTful APIS to integrate the data - Used Redux to send data to different sessions in site - Implemented Stripe for Online Payments

Skills

Programming Languages:	Python, Golang, Javascript, C++
Frameworks:	Django, FastAPI, Flask, Node JS, TensorFlow, Pytorch, Sklearn
Databases:	PostgreSQL, MongoDB, Redis, Amazon DynammoDB, MySQL, Neo4j
DevOps and Cloud:	Docker, Kubernetes, AWS - (EC2,S3,RDS,Lambda,CloudFront,Amplify,Elastic Beanstalk)
Theoretical Skills:	Software Design and Analysis, Cost Optimization, Scrum, Project Management
Tools and Technologies:	NLP, Deep Learning, Machine Learning, LLMs, GraphQL, Apache Airflow

Projects

Asset Curve *Django, Python, AWS(EC2,ECS,RDS,S3), Stripe, Numpy, Pandas, Docker*
https://app.assetcurve.io
Asset Curve is a complete solution that gives you the ability to track assets whilst focusing on security, in a cost effective and scalable way. It can track all your IT hardware and users. Understand and control your equipment costs. It makes Make recertifications easier by tracking your company data, applications and all associated users. It can track and log all IT users accessing your data, both internal and external.

Quick Quizz *Python, Django, Flask, OpenCV, Digital Ocean*
https://github.com/syedhaideralizaidi/QUIZ-APP
The QUIZ-APP is a comprehensive quiz application designed to enhance user engagement and learning. With features such as user authentication, profile management, and various quiz creation options, it provides a dynamic learning experience. Users can take quizzes with randomized questions, receive instant feedback, and track their scores on a leaderboard. The application also offers discussion forums, analytics, and an admin

dashboard for efficient management. It's a powerful tool for both educators and learners, fostering interactive and engaging learning experiences.

Hades *Python, Django, Amazon Sagemaker - MXNet, AWS, Scrapy, Apache Airflow*
An application that can track the fake products by scraping through the websites and filter out fake products with the help of object detection.

Handwriting Recognition System *Python, Numpy, Matplotlib, OpenCV*
https://github.com/syedhaideralizaidi/Handwriting-Recognition-with-Python
This project reads the data as input and predicts whatever is written in the file.

Brain Tumor Detection using Data Mining Principles *Python, Data Mining, Deep Learning*

E-commerce Application *Django, Python, Redis, Digital Ocean*
https://github.com/syedhaideralizaidi/Django-ecommerceApp
E-commerce application where users can dynamically add products and sell with customized dashboards.

CERTIFICATES

Python & Django REST API Bootcamp	Udemy
	Sep 2023
Microsoft Certified - Azure Fundamentals	Microsoft
	May 2023
Data Manipulation with Pandas	DataCamp
	Jul 2022