Wajahat Qazi

Python | JavaScript | C/C++ | NLP | Computer Vision | Machine Learning | Artificial Intelligence | Neo4J | Data Scrapping | Data Analysis & Visualization | Scipy | Feature Engineering | Generative AI | Scikit-learn | OpenCV | TensorFlow | PyTorch | Beautiful Soup | NLTK | NumPy | Pandas | Redis | Celery | Sockets | Fast API | AWS | GCP | CI/CD | Scrappy | Lidar | Twillio | Voice2speech | ElevenLabs | Docker | Elastic Search | MongoDB | Kibana | Grafana

qaziwajahat019@gmail.com https://www.linkedin.com/in/wajahat-qazi/ Pakistan

PROFILE

Experienced Data Scientist and Machine Learning Engineer with 8 years of experience driving impactful solutions in the realms of Artificial Intelligence and Natural Language Processing. Proven expertise in crafting and deploying machine learning models, leveraging a robust background in statistical analysis and data visualization. Adept at extracting actionable insights from complex datasets, I bring a comprehensive skill set in Python, AI, ML, NLP, Computer Vision, Data Analysis & Visualization, Data Science, TensorFlow, and scikit-learn. Committed to delivering innovative solutions, I am eager to contribute my skills and drive success in dynamic international environments, seeking challenging remote opportunities.

PROFESSIONAL EXPERIENCE

Oct 2021 – present
Texas, United States

Senior AI / ML Engineer
ALIS Software LLC

Responsibilities

- Spearheaded the development and implementation of machine learning models, leveraging Scikit-learn, TensorFlow, and PyTorch, resulting in a significant enhancement of predictive analytics capabilities.
- Applied computer vision techniques using OpenCV, contributing to the successful execution of projects requiring image and video analysis.
- Led initiatives in natural language processing (NLP), utilizing advanced algorithms to extract meaningful insights from unstructured data, enhancing overall data understanding.
- Engineered and deployed scalable and efficient systems with Fast API, Celery, and Sockets, ensuring robust and real-time processing of data.
- Managed end-to-end project lifecycle, from ideation to deployment, ensuring seamless integration of AI/ML solutions into existing systems.
- Implemented data retrieval and parsing strategies with Beautiful Soup, streamlining web scraping processes for data collection.
- Utilized Redis for efficient caching and storage, optimizing data access and retrieval in resource-intensive applications.

Tech Stacks: Python, JavaScript, AI, ML, NLP, Data Analysis & Visualization, Computer Vision, Fast API, PostgreSQL, REST API's

Jan 2019 – Sep 2021
Lahore, Pakistan

Machine Learning Engineer
Code District

Responsibilities

- Developed and implemented machine learning models for specific projects and trained on different datasets.
- Conducted data analysis and preprocessing to ensure high-quality input for model training.
- Collaborated with cross-functional teams to understand business requirements and translate them into machine learning solutions.
- Stayed abreast of the latest advancements in machine learning and AI technologies to continuously enhance model performance.
- Applied statistical methodologies to analyze large datasets, identify patterns, and derive actionable insights.
- Contributed to the development and optimization of algorithms to improve model accuracy and efficiency.

- Worked closely with software engineers to integrate machine learning models into production systems.
- Conducted regular evaluations of model performance, fine-tuning parameters for optimal results.
- Mentored junior team members and provided technical guidance on machine learning best practices.
- Participated in project planning and strategy sessions to align machine learning initiatives with overall business goals.

Tech Stacks: Python, JavaScript, Machine Learning, Artificial Intelligence, Computer Vision, NLP, Data Visualization, Scikit-Learn, TensorFlow, ELK

Aug 2016 – Dec 2018
Lahore, Pakistan

Python Developer
Techverx

Responsibilities

- Write efficient, clean, and maintainable Python code.
- Collaborate with senior developers to implement software solutions.
- Identify and fix software bugs and issues.
- Perform testing and debugging to ensure smooth application functionality.
- Continuously enhance skills in Python and related technologies.
- Contribute to the development of new features and functionalities.
- Implement user stories and requirements provided by the team.

Tech Stacks: Python, JavaScript, MySQL, HTML, CSS

EDUCATION

Sep 2012 – Aug 2016
Lahore, Pakistan

Bachelor's Degree in Computer Science
Information Technology University (ITU), Lahore

SKILLS

- Python
- Natural Language Processing
- Computer Vision
- Data Analysis & Visualization
- Feature Engineering
- TensorFlow
- Classification
- Sockets
- CI/CD
- Neo4J
- Voice2speech
- NLTK
- AWS-LAMBDA
- Grafana
- Object Detection
- Image Reconstruction
- SIFT
- SciPy
- JavaScript
- Machine Learning
- Data Scrapping
- Generative AI
- Scikit-learn
- OpenCV
- Regression
- Fast API
- Elastic Search
- 3D Computer Vision
- ElevenLabls
- AWS
- MongoDB
- Time Series
- Object Tracking
- Texture Analysis Techniques
- LSTM
- NumPy
- C/C++
- Artificial Intelligence
- Data Gathering
- PyTorch
- Deep Learning
- Beautiful Soup
- Celery
- Jenkins
- Scrappy
- Twillio
- Spacy
- GCP
- Kibana
- Anomaly Detection
- Semantic Segmentation
- Oriented and Rotated BRIEF
- Matplotlib
- Pandas

LANGUAGES

English | Urdu

PROJECTS

Shelf Order Detection

Tech Stack
Python, Javascript, GANs, CNNs, YoloV5s, Tensorflow, Pytorch, Flask, microservices, celery, Redis, Docker, RabbitMQ, FastAPI, Deep Learning

Demo URL

https://drive.google.com/file/d/1WtzAFzMAAXA9Mh-xoSXaDEn7xY2IoG66/view?usp=sharing

Description
Led the successful implementation of the "Shelf Order Detection" project, utilizing a robust tech stack encompassing Python, JavaScript, GANs, CNNs, YoloV5s, Tensorflow, Pytorch, Flask, microservices, Celery, Redis, Docker, RabbitMQ, and FastAPI. Spearheaded the integration of advanced deep learning techniques for precise shelf order recognition. Orchestrated the deployment of microservices with Celery and RabbitMQ, enhancing system efficiency. Utilized Docker for seamless containerization and Fast API for streamlined API development. Achieved optimal results through a synergized blend of cutting-edge technologies in computer vision and machine learning.

Sentiment Analysis

Tech Stack
Python, Natural Language Processing (NLP), Machine Learning (Scikit-learn, TensorFlow), Deep Learning (RNNs, Transformers), NLTK (Natural Language Toolkit), Web Integration (APIs)

Demo URL

https://drive.google.com/file/d/1Bv-7_CdJ2FjHvrAd-g_tjoyuFTRpZxCO/view?usp=sharing

Description
Implemented a sentiment analysis system to automatically classify and analyze the sentiment expressed in textual data. Utilized natural language processing (NLP) techniques and machine learning algorithms to train the model on diverse datasets. The project involved data preprocessing, feature extraction, and model training using Python and popular libraries such as NLTK and Scikit-learn. Implemented deep learning models, including recurrent neural networks (RNNs) and transformers, to enhance accuracy and handle complex language nuances. Integrated the system with web applications and APIs to enable real-time sentiment analysis.

NiHA

Tech Stack
Python, CQL, Neo4J, Selenium, Beautiful Soap

Description
Automated Listing work, Purchase and Sale of Ebay. Automated customer handling. Automated the process of purchasing product from a vendor on eBay and adding product to owners or clients vendor page. Automated the process of analyzing which product or category is going to catch up the market.

Social-Influencers

Tech Stack
Python, Natural Language Processing (NLP), Computer Vision, Elasticsearch, Kibana

Description
Developed matching algorithms to identify relevant connections and associations within the scraped data. Trained a classifier to categorize creators into their primary niches based on their content and profiles. Collaborated with a team to design and build an analytics dashboard for data visualization and insights. Utilized GPT-3 to generate biographies for Instagram profiles, enhancing profile descriptions. Leveraged Python for Natural Language Processing (NLP) and Computer Vision tasks. Employed Elasticsearch and Kibana for data indexing, searching, and visualization within the project.