




Zulqarnain Haider

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EXPERIENCE

Machine Learning Engineer at PARALLEL COMPUTING NETWORKS

H-11, Islamabad

NLP + Machine Learning

09/2023 – current

- Implemented Graph Neural Network on News Data and ML algorithm for Finding Pattern from Graph.
- Managed the collection and preprocessing of large datasets, ensuring high-quality inputs for training and testing machine learning models. Train model for Fake news detection and plot news on Pakistan map.
- Scrape Data from Multiple News source and Generate Knowledge graph ,apply Graph Algorithm for searching.
- Successfully integrated AWS cloud services into the research infrastructure, optimizing scalability and performance.
- Proactively engaged in brainstorming sessions, addressing challenges and proposing innovative solutions to enhance project outcomes.

Python Developer at Replit

Remote

Python+RUST

04/2022 – 05/2023

- Developed custom web applications using Flask,Django framework, delivering tailored solutions to clients.
- Designed and implemented Continuous (CI/CD) pipelines using Github action.
- Implemented blockchain solutions using Rust programming language, ensuring high performance.
- Utilized the Elrond Turn protocol to facilitate fast and scalable transactions, optimizing blockchain.

Teacher at ReDI School of Digital Integration

Remote

Python Teacher+Content Creation

03/2021 – 03/2022

- Delivered engaging lessons on computer science principles and introductory Python programming.
- Provide personalized guidance and support to students, addressing their individual learning needs.
- Create and administer assessments to evaluate student progress and identify areas for improvement.
- Recognized by peers and students for creating an inclusive and supportive learning environment.

Machine Learning intern at JAZZ

EFU House-Lahore,Pakistan

Machine Learning

07/2022 – 09/2022

- Conducted thorough data cleaning and preprocessing on large datasets, ensuring the quality of input data.
- Collaborated with the B2B team to develop predictive models using Python and scikit-learn.
- Analyzed customer behavior data to identify patterns, providing valuable insights for marketing,business strategy
- Assisted in the development of interactive dashboards in Tableau forreal-time analysis, enhancing data visualization and reporting capabilities.

EDUCATION

FAST National University of Computer and Emerging Sciences

Islamabad, Pakistan

Bachelor of Science in Computer Science

08/2019 – 06/2023

Courses included both CS (Programming,Databases,Artificial intelligence) and Business subjects

Punjab Group of Colleges

Gujrat,Pakistan

F.SC(pre-enginerning)

08/2016 – 06/2018

TECHNICAL SKILLS

Programming: Python,C++,RUST

Machine Learning Frameworks: TensorFlow, PyTorch, scikit-learn,ONNX,MLFlow

Deep Learning: Neural networks, CNNs, RNNs, GANs,CUDA **Data Manipulation:** Pandas, NumPy, SciPy

Developer Tools: Git, Azure, CI/CD pipelines, Docker,Hadoop,Kubernetes **Database:** MYSQL, NoSQL (MongoDB)

Other: End-to-end Solutions , Algorithm Optimization ,AI Model Development,Automated Pipelines