Zulqarnain Haider

☐ +92 323 9932656 @ zulqarnain.shahid.iqbal@gmail.com 🔗 linkedin.com/in/zulqarnain-haider
 github.com/Zulqarnain Zularnainhaider.github.io

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 patterns from graphs.
- Managed the collection and preprocessing of large datasets, ensuring high-quality inputs for training.
- **Fine-tuned** a transformer-based model using **PEFT** from **HuggingFace** for Bias Detection from mutiple news.
- work on code LSP diagnosis generation using RAG approach **Fine-tuned deepseek-coder-v2.**
- Use qdrant open source vector database to store the documents and built pipelines in langchain to retrieve.

RUST Developer at Replit   San Francisco ,USA(Remote)
Python+RUST   *09/2022 − 08/2023*

- 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.

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

VOLUNTEER WORK

Teacher at ReDI School of Digital Integration   Berlin Germany(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.

TECHNICAL SKILLS

Programming: Python, C++, Rust
ML: Pytorch,keras,NumPy,librosa,pyAudio Algorithm Optimization,ONNX,Scikit-learn
Fine Tuning and LLM tools : langchain,llamaindex,ollama,transformers,huggingface,CUDA ,Fine tuning open source model,jupyter notebook,Prompt Engineering