

Syed Abdullah

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EDUCATION

Fast National University Of Computer and Emerging Sciences

Islamabad

Bachelor of Sciences in Computer Science

Aug 2020 – Jun 2024

EXPERIENCE

VERIFY

Co-lab Research Lab

Oct 2023 – Nov 2024

Machine Learning Engineer

- Worked on several advanced machine learning projects, with a primary focus on developing and fine-tuning large language models. These included prominent models such as LLaMA, Falcon, Biomistral and successfully increased model accuracy to an impressive range of 88 percent to 94 percent

Python Developer

Nov 2020 – Nov 2023

Microsoft Learn Student Ambassador

- Extracted and aggregated data from diverse sources, the size of dataset is upto 1 million
- Performed data cleaning, preprocessing, and exploratory analysis on kind of 1 and 2 million of dataset
- Trained machine learning models leveraging TensorFlow and PyTorch for advanced predictive analytics and insights and got upto on average 95 percent accuracy
- Designed and implemented a user-friendly web interface using Django, web font is 2 and 4

PROJECTS

OTHER PROJECTS

Antobot - Your Virtual Anatomy Guide | *Python, langchain, llama-index, Open3D, SQL* Aug 2023 – Jun 2024

- Developed an innovative chatbot integrating AI-powered learning tools to enhance human anatomy education, Utilized the BioMisral model and fine-tuned it on domain-specific data, total Faithfulness and Relevancy of our system is 0.83 and 0.87 percent
- Designed and integrated an AI-powered quiz feature utilizing a RAG approach and immersive 3D visualization feature by converting 2D anatomy images to 3D models using Open3D and storing them in a structured SQL database

Cyber Attack Classification | *Python, TensorFlow, XGBoost, Matplotlib*

Nov 2022 – Mar 2023

- Developed a system to classify cyber-attacks in network traffic and evaluated classifier performance using network traffic attributes, Implement diverse algorithms such as Decision Tree, K-Nearest Neighbors, Artificial Neural Network and accuracy of different algorithms on Average is between 92 to 95 percent

TECHNICAL SKILLS

Languages: Python, C++, Rust, SQL, JavaScript, HTML/CSS **Databases:** MySQL, MongoDB

Frameworks and Tools: TensorFlow, Keras, PyTorch, Langchain, Lama index, FastAPI, Django, Flutter, Jupyter Notebook, VS Code, Power BI, Tableau, Excel, AWS, Azure, React.js, Node.js, Express.js

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, XGBoost, NLTK, SpaCy, Seaborn, Beautiful Soup, Scrapy, OpenCv, Open3D

Machine Learning: Supervised Learning, Unsupervised Learning, Reinforcement Learning, Recommender Systems, Regularization Techniques, Optimization, Generalization Strategies, Fine-tuning LLMs Model, Parameter-efficient Fine-Tuning, Reinforcement Learning with Human Feedback

System Administration: Linux, Git and GitHub, Docker

Soft Skills: Technical Communication, Team Collaboration

CERTIFICATIONS

VERIFY

- AI For Everyone
- Supervised Machine Learning: Regression and Classification
- Unsupervised Learning, Recommenders, Reinforcement Learning
- Advanced Learning Algorithms
- Practical Deep Learning with Tensorflow 2.x and Keras
- Generative AI with Large Language Models
- Data Analyst Bootcamp
- Rust Programming Course: From Beginner to Expert 2.0