



ALI ABDULLAH

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SUMMARY

I am a Machine Learning and AI Engineer with over 3 years of experience in developing AI solutions. Proficient in Python, TensorFlow, PyTorch, and C++, I specialize in machine learning models, data analysis, and system optimization. I've worked on AI-driven backend solutions at ASimplify and enhanced medical device software at Idea Medicals Pvt Ltd. Currently, I lead the AI team at Hermex Travel after training at Afaq Group. I hold a Bachelor's in Computer Science, and speak English fluently and conversationally in Arabic, focusing on solving complex challenges with AI.

PROJECTS

- **ITSS (Intelligent Traffic Surveillance System)**

Developed a mobile app that processes CCTV footage to detect accidents, automatically notifying the police and relevant public service providers for prompt response.

- **Website Penetration Testing (During CEH Certification)**

Conducted a comprehensive penetration test on a simulated e-commerce website to identify and exploit vulnerabilities. Utilized tools such as Burp Suite and Nmap to perform tasks including vulnerability scanning, SQL injection, and cross-site scripting (XSS) attacks.

- **Rock Vs Mines Detection/Classification**

Trained Custom Logical Regression Model on Basis on Sonar Signals and Classifying whether the signals are of Rock or Mine

WORK EXPERIENCE

Machine Learning & AI Engineer Team Lead, Hermex Travels(Abu Dhabi, UAE)

November 2024

- Designing and optimizing machine learning models for travel predictions using Python, TensorFlow, PyTorch, and Scikit-learn.
- Deploying AI solutions into Hermex Travel's systems with Flask, Docker, and Kubernetes, ensuring scalability and performance monitoring via AWS and Azure.

Machine Learning & AI Engineer, SanPlus Technologies(Abu Dhabi, UAE)

Project Based Contract

- Making AI based solutions as per the requirements of Clients
- Made Fraud Detection Model with Computer Vision using custom dataset

Machine Learning & AI Engineer Trainee, Afaq Group (Abu Dhabi, UAE)

August 2024 - October 2024

- Developed and maintained backend services for an in-house project using modern technologies.
- Ensured seamless integration of third-party services and optimized performance.
- Collaborated with cross-functional teams to deliver high-quality software solutions.

Software Engineer, Idea Medicals (Islamabad, Pakistan)

January 2022 - June 2024

- Developed and optimized backend services, integrating third-party solutions.
- Specialized in medical equipment software, embedded systems, and database management.
- Ensured high code quality through debugging, testing, and collaboration.

EDUCATION

Bachelor of Computer Sciences

Aug 2020 - June 2024

Riphah International University

- Major in Artificial Intelligence.
- Product: "Intelligent Traffic Surveillance System (Accident Detection using computer vision)".

SKILL SETS

- Natural Language Processing (NLP) and Conversational AI
- Advanced Deep Learning Architectures
- Reinforcement Learning and Sequential Decision Making
- Mathematical Optimization and Algorithm Design
- Model Explainability and Interpretability

ADDITIONAL INFORMATION

- **Languages:** English, Arabic.
- **Licence:** Abu Dhabi Licence Holder (Light Vehicle Automatic)
- **Certifications:** Data Visualization in Python, Python for Data Science and AI development, Data Science Methodology, Generative AI: Introduction and Applications
- **Awards/Activities:** Organized and Actively participated in the "1st International Conference on Recent Advances in Computing AI and Data Science 2023" community outreach program.