Ali Shakeri

Machine Learning Engineer

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🪪 Profile

AI researcher with hands-on experience in LLM deployment and fine-tuning. Skilled in full-stack development across web and mobile platforms, with experience in Flutter, React, and backend services like Firebase. Demonstrated ability to lead technical teams and quickly adapt to new technologies.

🎓 Education

PhD in Artificial Intelligence
The University of Adelaide
2023 - present | Adelaide, Australia
Researching Federated Learning, focusing on **efficient fine-tuning** and adaptation of **LLMs** in decentralized training environments.

Master of Machine Learning
The University of Adelaide
2020 - 2022 | Adelaide, Australia
Gained a strong foundation in **machine learning**, **deep learning**, and data science, with hands-on experience in model development, optimisation, and deployment.

Bachelor of Business Management Administration (BBA)
Shiraz University
2014 - 2018 | Shiraz, Iran
Gained comprehensive knowledge in **business operations**, management principles, finance, and strategic planning.

💼 Professional Experience

The University of Adelaide
Software Engineer Intern
2023 - 2023 | Adelaide, Australia
Developed a real-time monitoring system integrating Flutter **mobile app**, **Firebase** backend, and ESP32 **microcontroller programming** for sensor data transmission.

Clarity Global
Machine Learning Engineer
2022 - 2023 | Remote, Australia
Coordinated ML research team in developing advanced anomaly detection models for mobile network faults, implementing **RNN, Transformer, CNN, and MLP architectures**.

Australian Institute for Machine Learning (AIML)
Machine Learning Research Intern
2022 - 2022 | Adelaide, Australia
Developed a component of a multi-modal fake news detection model while coordinating four teams for successful model integration.

🧠 Skills

Deep Learning — Develop/update any architecture with PyTorch and TensorFlow, **Python** — Write automations and AI related code fast, **Large Language Models (LLMs)** — Deploy various types of LLMs, fine-tune/update for specific tasks, **Retrieval-Augmented Generation (RAG)** — Design RAG systems to make text generation more accurate, **Frontend Development** — HTML, CSS, TailwindCSS | JS, React, **Backend Development** — Firebase/Supabase integration | Django, FastAPI, **Mobile App Development** — Flutter - Multiplatform Apps | SwiftUI - Apple Ecosystem Apps, **Linux** — Experienece with various Linux distros, use Linux daily on home server, **Docker** — Use docker containers everyday for personal projects and easy deployment of self hosted applications