Mohamad Mustafa Abdulkadir

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Education

United Arab Emirates University **January 2021 - April 2025**
Bachelor of Science in Computer Science
GPA: 3.97

Udacity **June 2024 - October 2024**
AI Programming with Python Nanodegree Program

Experience

e& **January 2025 - April 2025**
Intern Dubai - UAE

- Worked on integrating an AI-powered content recommendation tool with the Starz On Business platform
- Developed a bespoke chatbot for Starz On Business to automate tier-1 customer support cases using the platform's guides and FAQs

Research Projects

United Arab Emirates University - SURE+ Grant **June 2024 - January 2025**

- Researched the use of artificial intelligence in task classification and allocation in mobile crowdsensing platforms
- Developed techniques to generate synthetic training data for task classifiers
- Introduced a task classification approach based on a combination of machine learning models and filtering algorithms

Advanced Technology Research Council - STEM Youth Mentorship Program **November 2023 - September 2024**

- Researched non-stationary contextual-bandit algorithms and large language models for recommender systems
- Worked on introducing change-point detectors to contextual bandit algorithms to enhance performance in stochastic environments and fine-tuning large language models for recommendation tasks

United Arab Emirates University - SURE+ Grant **May 2023 - March 2024**

- Worked on developing an adaptive educational chatbot powered by artificial intelligence.
- Actively participated in all project phases.

Selected Projects

Implementing Sliding-Window LinUCB and Discounted LinUCB algorithms

- Implementing the algorithms proposed in “On Upper-Confidence Bound Policies for Non-Stationary Bandit Problems” using Python
- Performed simulation to reproduce the results

Fine-Tuning Large Language Models

- Fine-Tuned Llama 2 7b LLM on an un-structured dataset
- Utilized Amazon Sagemaker and other AWS tools to fine-tune the model
- Deployed the model on AWS

Automated Attendance System

- Fine-tuned ImageNet for face recognition to obtain face embeddings
- Fine-tuned YOLOv8 for face detection
- Deployed the system using Stremlit

Publications

Vault-PMS: A Vault-Based Password Management System for Secure Offline Data Storage
IWCMC, 2024
M. Abdulkadir, S. Alketbi, H. Lamaazi, R. Altamimi, S. Alblooshi and A. Lakas

Certifications

Foundations of Generative AI **December 2024**
Udacity

Samsung Innovation Campus Artificial Intelligence Course **November 2024**
Samsung

Introducing Generative AI with AWS **July 2024**
Udacity

ATRC STEM Youth Mentorship Program **June 2024**
Advanced Technology Research Council

Machine Learning with Python
FreeCodeCamp

Open-Source Contributions

Deep-ML: Leetcode-style problems for machine learning and linear algebra

Awards

Dean's List Award **Fall 2022**
College of Information Technology

Dean's List Award **Spring 2023**
College of Information Technology

Dean's List Award **Spring 2024**
College of Information Technology

Dean's List Award **Fall 2024**
College of Information Technology