Mohamad Mustafa Abdulkadir

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Education

United Arab Emirates University **January 2021 - April 2025**
Bachelor of Science in Computer Science
GPA: 3.99

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

Experience

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

- 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**
Student Researcher

- 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**
Student Researcher

- 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

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

ATRC STEM Youth Mentorship Program
Advanced Technology Research Council

Introducing Generative AI with AWS
Udacity

Machine Learning with Python
FreeCodeCamp

Open-Source Contribution

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