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Sama Shalabi

GitHub

LinkedIn

Education

An-Najah University   Nablus , Palestine
BSc. in Computer Science Apprenticeship Program (CAP)   Sep 2021 - 2026
Track AI

Yasir Arafat School For Girls   Nablus , Palestine
technology(tawgihi) - grade : 97   2020 - 2021

Relevant Coursework: web I (frontend specific), web II (backend specific), Programming Principles I & II (C++ specific), Data Structures, Fundamentals of Artificial Intelligence, Advanced Topics in Machine Learning, Data Mining, Natural Language Processing(NLP), Big Data Engineering, Algorithm Analysis and Design, Introduction to Probability Theory, Database Systems, Software Testing and Quality Assurance(QA)

Microsoft
Develop AI solutions in Azure course
Completed: 2024

Internship Experience

Asal Technologies: Mind Map Generator   Nablus, Palestine
AI Developer Intern   july 2024 - sep 2024
Built the summarization system for node topics using Azure AI summarization APIs.

Projects

Automatic Essay Grading with Instruction-Tuned Transformers - GitHub repo
- Fine-tuned Mistral-7B-Instruct using Unsloth & LoRA for grading student essays based on rubric-based datasets.
- Designed effective instruction-based prompts and contributed to model fine-tuning using Unsloth and LoRA.
- Integrated model inference with a web-based interface using Flask, HTML, CSS, and JavaScript for user-submitted essay grading.

Disease Prediction System - GitHub repo
- Designed and developed a complete disease prediction system for Diabetes, Hypertension, Bronchial Asthma, Allergy, and Common Cold.
- Used symptom-based input with a model of combined classification algorithms (SVM ,decision tree and random forest) to provide health condition predictions.
- Integrated model inference with a web-based interface using Flask, HTML, CSS, and JavaScript for user-submitted essay grading.
- Built using Python, pandas, scikit-learn, and Flask for deployment.

Mind Map Generator (Azure AI) - GitHub repo
- Built the summarization module using Azure AI services to extract and summarize node topics from PDFs.
- Designed and implemented the mind map interface, including navbar and error page logic (front and back end).
- Stack: Flask, Azure APIs, HTML, CSS, JavaScript.

Sama Al Sham – E-commerce Web App
- Developed a fully functional e-commerce platform from scratch using the Django framework.
- Implemented product listing, cart management, order tracking, and dynamic filtering.
- Integrated admin dashboard with secure authentication and CRUD operations.
- Stack: Django, HTML, CSS, Bootstrap, SQLite

VidUcate – Interactive Video Streaming Platform
- Collaborated on building an interactive educational video platform.
- Developed the watch history page with full functionality and dynamic updates.
- Created the sign-in and sign-up interfaces with full backend logic and session handling.
- Stack: Node.js, Express.js, EJS, JavaScript, MongoDB

STORIFY Admin Control Panel(fronend) - GitHub repo
- Developed the company listing page for Storify's eCommerce system.
- Part of a mobile-friendly, responsive admin panel with features like product listing, invoice generation, and analytics.
- Technologies: HTML, CSS, JavaScript, React, Bootstrap

Technical Skills

Programming languages : C++, HTML, CSS, JavaScript, Python, scala.
Frameworks & Libraries : ReactJS, Node.js, Express, Bootstrap, Flask, Django, Spark , NumPy, pandas, Spark.
Databases: SQL, MongoDB.
Tools: Git, GitHub, VS Code, Postman