

SARA HAMED ALLUHAIBI

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Signatures Summary

SUMMARY

Computer Science student passionate about AI and Front-end Development, with strong problem-solving and teamwork skills. Eager to learn and contribute effectively.

Signed by: sara

EDUCATION

Bachelor of Computer Science, Umm Al-Qura University

تم الاعتماد إلكترونياً

COURSES

Data Collection and Processing with Python, Coursera

Linear Algebra for Machine Learning and Data Science, DeepLearning.AI

Calculus for Machine Learning and Data Science, DeepLearning.AI

Introduction to Software Engineering, IBM

Introduction to Cloud Computing, IBM

Introduction to HTML, CSS, & JavaScript, IBM

Getting Started with Git and GitHub, IBM

Generative AI: Prompt Engineering Basics, IBM

Generative AI: Impact, Considerations, and Ethical Issues, IBM

Generative AI: Prompt Engineering Basics, DeepLearning.AI

TRAINING

Introductory Artificial Intelligence Training Program, KAUST academy

PROJECTS

BookBloom, an application for reading and writing stories. 📖

- Created an intuitive platform for writers to publish their work and for readers to interact with content.
- Built user authentication, content creation, and engagement features using Flutter and Firebase.
- Implemented real-time content updates, book lists, and commenting functionalities to enhance user experience.
- Collaborated with a team in an agile environment to ensure efficient development and feature implementation.
- Tools: Flutter, Firebase, Git.

Digital Library, A site to display books and give an overview of them

- Developed a structured web-based library platform for browsing and viewing books efficiently.
- Designed an interactive interface where users can browse books in a structured table and view book descriptions in a modal window.
- Built core functionalities including book management, contact form submission, and a dashboard for book entry.
- Implemented real-time database interactions to save and retrieve book details dynamically.
- Worked collaboratively in a team under agile methodologies to ensure smooth development and deployment.
- Tools: HTML, CSS, JavaScript, PHP

Temperature Prediction Model Based on Humidity

Designed and developed a machine learning model to predict temperatures based on humidity levels using **Linear Regression**.

- Preprocessed the dataset by handling missing values, encoding categorical features, and removing outliers.
- Split the data into training/testing sets and evaluated the model using **MSE**, **MAE**, and **R²**.
- Achieved a **94% prediction accuracy** and built an interactive dashboard using **Streamlit** for real-time user input and visualization.

TECHNICAL SKILLS

Web development

HTML | CSS | JavaScript | Web Page Structure | Front-end Basics

Artificial intelligence

Data Science | Mathematics for machine learning | Generative AI Basics | Prompt Engineering | AI Ethical Considerations | Responsible AI Practices

Mobile Development

Flutter | Firebase

Version Control

Git Basics | GitHub Collaboration | Branching and Merging | Pull Requests | Version Management

Programming Languages

Java | Python | Dart

Software Engineering

Software Development Principles | Software Architecture | Software Development Life Cycle (SDLC)

Cloud Computing

Cloud Basics | Cloud Deployment Models | Cloud Service Models (IaaS, PaaS, SaaS)

SOFT SKILLS

- Teamwork
- Problem - Solving
- Analytical Thinking
- Time Management
- Communication
- Self-learning