SARA HAMED ALLUHAIBI

sara.alluhaibi@outlook.com +966556853156 SARA ALLUAHAIBI

SUMMARY

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

EDUCATION

Bachelor of computer science, *, Umm Al-Qura University*

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 **R^2**.
- 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

Programing 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

Signatures Summary

Signed by: sara

Electronic Signature:

Signed by: sa

Hand Signature: