

# SARA HAMED ALLUHAIBI

✉ sara.alluhaibi@outlook.com ☎ +966556853156 🌐 SARA ALLUHAIBI

## 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<sup>2</sup>**.
- 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

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# Signatures Summary

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A handwritten signature in black ink, consisting of a stylized, cursive letter 'S' followed by a diagonal stroke.

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