Mishari Al-Buhairi *Computer Science*

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Profile

Computer Science Final-Year Student with a passion for **leading** and **building** tech products from the ideation phase to deployment. A **multi-skilled individual** with a strong foundation in web development and expertise in Python, NLP, Information Retrieval, and Data Analytics/Visualization. Experienced in building advanced semantic search engines. Seeking opportunities to leverage my **leadership and technical skills** in a challenging environment.

Education

2021/09 – present	**Bachelor Degree in Computer science** *King Saud University* • **Expected Graduation Date:** Jun 2025

Skills

Web Development
Flask, FastAPI, Bootstrap, Tailwind, SQL.

NLP & Machine Learning
Word Embedding Models, Semantic Analysis, Information Retrieval

Tools & Platforms
Git, Jupyter Notebooks, Power Bi

Soft Skills
Leadership, Teamwork, Problem Solving, Time management

Programming Languages
Python, Java, HTML, CSS, JavaScript, LaTeX.

Management Tools
Jira, Notion, Trello

Projects

Rast (Graduation Project - In progress)
AI Stock Prediction System
• **Description**: AI-powered Saudi main market (TASI) stock prediction system that integrates **sentiment analysis from news** With historical prices to forecast stock movements. The model is trained on **160k+** news articles and leverages Natural Language Processing (NLP) with forcastin procedures. Currently in the experimental phase, the system aims to provide insights for smarter investment decisions.

Unibag ⌁
Educational Platform
• **Description**: designed and developed a platform that organizes courses in one place, featuring AI-powered quizzes, progress tracking, and easy access anytime.
• **Technologies Used**: Python, Flask, MySql, Openai api, Css, Js

Taskhive ⌁
Task Management System
• **Description**: Led and developed *TaskHive*, a minimalist task management web application focused on usability and simplicity. The platform features task organization with Kanban board and subtasks, analytics dashboard, and responsive design
• **Technologies:** React, Tailwind CSS, PHP, MySQL, Docker

Nabesh

Arabic Semantic Game

- **Description:** Developed a semantic Arabic word-guessing game similar to Contexto, utilizing NLP techniques and word embedding models to rank words.
- **Technologies Used:** Python, Flask, NLP libraries, Word2Vec

Barra Al-Salfa Game ⬈

Social Game

- **Description**: Developed and designed a social deduction game, *Barra Al-Salfa*, where players identify an imposter who is unaware of the given topic. The game involves strategic questioning, deception, and voting mechanics.
- **Technologies**: Html, Css, Js

EduThon

Hackathon Website

- **Description:** Built a fully-fledged website for a hackathon event, featuring registration, team collaboration, and social interaction functionalities.
- **Technologies Used:** Flask, Bootstrap, MySQL, JavaScript

Awards

2025/04/27   **KSU Transformation Hackathon 2nd Place | 50,000 SAR** ⬈

King Saud University

Led a team in the Transformation Hackathon to build a platform with AI integrations, addressing a defined challenge within the event. Achieved second place among more than 100+ participating teams. Awarded by Prof. Abdullah Alsalman (President of King Saud University) and Mr. Andrea Longhi (CTO of Transformation Unit in King Saud University).