

# Anas Alhamdan

Product Manager | NLP & ML Enthusiast

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## Objective

A highly motivated final-year **Computer Science** student at King Saud University, with strong skills in Python programming, Natural Language Processing (NLP), data analysis, and product management. Experienced in leading academic projects from ideation through deployment, I bring a strategic approach to solving problems and delivering user-centered solutions. Seeking an entry-level position where I can leverage my technical expertise and product management skills to contribute to impactful, innovative solutions within a collaborative team.

## Education

2021/09 – present      **Bachelor's degree in computer science**  
Riyadh                      *King Saud University*  
Expected graduation date : Sep 2025

## Certificates

### Artificial Intelligence Fundamentals

Issued by IBM SkillsBuild

## Skills

### Programming Languages

Python, Java, SQL

### Data Analysis & Visualization

Pandas, NumPy, Matplotlib, Power BI

### Product Management Tools

Jira, Trello, Notion

### Data Science & AI

NLP, Sentiment Analysis, Word Embeddings, Information Retrieval

### Product Management

Roadmap Development, Market Research, Cross-functional Team Coordination, Product Lifecycle Management, Data-driven Strategy.

### Soft Skills

Teamwork, Leadership, Problem-Solving, Continuous Learning, Time Management, Critical Thinking.

## (Graduation Project - In Progress)

### RAST

*AI Stock Prediction System for Saudi Main Stock Market*

- **Description:** Developing an advanced AI-driven stock prediction system for the **Saudi stock market (Tadawul)** by combining **sentiment analysis** with **historical financial data**. Unlike traditional models, this system leverages **NLP** to analyze **160,000+ financial news articles**, capturing sentiment-driven market behaviors influenced by retail investors and economic events. Currently in the **experimental phase**, the project integrates **hybrid AI methodologies**, blending **quantitative financial metrics** with **qualitative sentiment analysis** to enhance forecasting accuracy. Designed as a **smart decision-making tool**, it aims to provide **valuable insights** for investors and policymakers navigating Saudi Arabia's dynamic stock market.

## Projects

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### UniBag

*UniBag: AI-Driven Educational Platform*

Developed an innovative platform designed to enhance university students' learning experience. UniBag centralizes study materials, tracks progress, and provides AI-generated practice questions to support efficient and effective academic achievement. Introduced structured learning, personalized scheduling, and an extensive academic repository to address common student challenges.

### Search Engine

Developed a Python-based search engine that indexes and searches news articles using an inverted index and boolean search. Utilized multiprocessing to enhance indexing performance, allowing efficient processing of large datasets. Implemented user-friendly features like logical query parsing and real-time result display.

### Email Spam Classifier

This project involves developing an automated email spam classifier capable of categorizing emails as either SPAM or HAM (not spam). The classifier is built using the Multinomial Naive Bayes algorithm, a simple yet effective method for text classification tasks.

### TASK MANAGER

A task management platform similar to Trello, allowing users to track, assign, and manage tasks efficiently.

## Experience & Volunteering

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2024/08 – 2025/01	<b>Leader, Public Relations Committee</b> <i>Cyber Security Club</i>
2023/01 – 2024/01	<b>Social Media Team Leader</b> <i>Cyber Security Club</i>
2022/09 – 2023/06	<b>Member</b> <i>Google Student Developers Club</i>
2023/09 – present	<b>Marketing Team Member</b> <i>Innovation Club</i>
2023/08 – 2024/02	<b>Marketing Team Member</b> <i>Student Partnership Program</i>
2022/12	<b>Member</b> <i>Outstanding and Talented Students Program.</i>