

Haya Alwarthan

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Hardworking and eager to learn computer science fresh graduate who is highly intrigued by both software engineering and machine learning fields. Seeking to further nurture my skills and interests in a tech related position.

EXPERINCE

AUG 2023-CURRENT

Software Engineer Intern, Dunes Aero

- Developed the company portfolio we application using **Svelte** and **FastAPI** tech stack.
- Refactored and redesigned the code base of the company main product, a ground control station for UAV flight simulation, built as desktop software with **Electron**, **Svelte**, **Mavlink** and **FastAPI** techstack.

JUN 2022-SEP 2022

System Analyst Intern, Saudi Aramco

- Built several features for the company web application to broadcast data across the app components using **Angular 2+**, **Spring MVC**, and **PL/SQL Oracle** tech-stack.
- Communicated with petroleum engineers and data experts to convert business requirements into technical specifications and implement them.
- Automated the reports generation process using **Apache FreeMarker**, **Spring MVC**, and **PL/SQL Oracle** database.

EDUCATION

AUG 2018-JUN 2023

Bachelor's Degree in Computer Science, Imam Abdulrahman Bin Faisal University

Key Courses: Software Engineering, OOP, Algorithms, Web-based systems, Parallel Programming. GPA of 4.8.

POJECTS

Acetabular Index Calculator App (AICA), A Deep Learning Powered Mobile Application to Detect DDH

- Worked as a part of a team to develop a **Flutter** application utilizing deep learning models for instance segmentation and keypoint detection on X-ray images.
- Built and integrated REST APIs using **Firebase Cloud Functions** service with **Node.js** and **Express**.

Mahid, an AI based Web App to Generate a Roadmap for Achieving any Goal.

- Built an LLM based web application using **LangChain** to specify the steps needed to achieve a specific goal as well as generating a written tutorials, related videos, and external resources to assist users during their learning process. The project utilizes **Angular**, **Flask**, and **MongoDB** tech stack.

AWARDS AND HONORS

1st Prize Winner in Smartathon International Competition • SDAIA - SEP 2023

Awarded the first place prize with 375,000 SAR as a team for building a fully integrated system (Web, Mobile, APIs) powered by state-of-the-art Deep Learning models to detect visual pollution using street imagery data.

Awarded First-class Honors in Computer Science Major • Imam Abdulrahman bin Faisal University - JUN 2023

CERTIFICATES AND COURSEES

Microsoft Cloud Computing – Azure, Misk Foundation in MAR 2022

Deep Learning Nanodegree, Udacity in JAN 2022

Built several AI models from scratch using Pytorch framework by applying theoretical DL concepts into real world projects like landmarks classification, face generation, sentiment analysis, and TV script generation

SKILLS

- Programming Languages:** C++, Java, Python, HTML\CSS, JavaScript, Dart.
- Frameworks:** Flutter, Angular, Svelte, Three.js, Node.js, Express.js, Spring MVC, Flask, Selenium, Pytorch, Tensorflow, Firebase.
- Tools and Software:** GitHub, Postman, Figma, Microsoft Azure DevOps, Jupyter notebook, Google Colab, CVAT.
- Soft Skills:** Problem solving, Teamwork, Communication