

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-oriented company.

EXPERINCE

JUN 2022-SEP 2022

Full-Stack Developer Intern, Petroleum Engineering Application Services Department at 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, Object-Oriented Programming, Algorithms, Artificial Intelligence, 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 small team to develop a **Flutter** mobile application utilizing the state-of-the-art deep learning models for instance segmentation and keypoint detection on X-ray images.
- Built and integrated REST APIs using **Firebase Cloud Functions** service as a backend tier with **Node.js** and **Express**.

SCOPER, A Chrome Web Extension to Search Within any Instagram Account

Built a scraping tool using **Scrapy** to search through the posts of a specific user either by caption or text inside the images using **Tesseract** for **OCR** and deployed it on a **Flask** webserver.

CERTIFICATES AND COURSEES

Microsoft Cloud Computing – Azure, Misk Foundation in MAR 2022

Worked on a stimulated case study to build cloud solutions to support business expansion and continuity, in order to provide it with scalability and security on the long term.

Deep Learning Nanodegree, Udacity in JAN 2022

Built and deployed several AI models from scratch using Pytorch framework by utilizing theoretical ML concepts and network architectures like CNN, RNN, GNN and NLP.

ACTIVITIES

Participation in SMARTATHON by SDAIA

Contributed as a full stack web developer using **Angular & Flask** to build the user interfaces and integrate interactive maps and the deep learning model into the web application.

Participation in Saudi Competitive Programming Contest

Passed though all qualification stages to the finalist competition.

SKILLS

- **Programming Languages:** C++, Java, Python, HTML\CSS, JavaScript, Dart.
- **Frameworks:** Flutter, Angular,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