

Abdulhamid Alhafufi Computer Engineer

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Recent computer engineering graduate with a passion for cloud computing, web development, and mobile app development. Skilled in **Python**, **Java**, and **MERN Full Stack** development. Possesses Infrastructure as Code (**IaC**) skills, including automating infrastructure deployment and configuration using tools like **Terraform** and **Ansible**.

Education

Bachelor of Science in Computer Engineering,
King Fahd University of Petroleum and Minerals (KFUPM)

06/2023
Dhahran

Projects

Cloud Computing Project, SaudiPro League Website

- Developed a microservices-based application using Google Workstation, Docker, Google Artifact Repository, and Google Cloud Run.
 - Developed microservices for adding, getting, deleting, and updating data in a database.
 - Developed a microservice for GraphQL.
 - Containerized the microservices and deployed them on Google Cloud Run.
- Developed a website using MERN (MongoDB, Express, React, NodeJS) in Google Cloud Platform (GCP).
 - Containerized the website and deployed it on Google Cloud Run.
 - Created an API gateway that contains routes for all the microservices.

Senior Design Project, Intelligent Parking App

- Developed an Android app that helps users reserve a parking spot from multiple parking lots.
- Used Django framework for the backend.
- Used Google Maps API to measure the distance and time required to reach the parking lot's gate.
- Took data from cameras on the gate to estimate the crowd.

Summer Training, Photos Timeline App

- Developed a project that analyses a set of images, recognizes human faces, and estimates their age.
- Constructed an age timeline for each person based on the given images.
- Used Keras and OpenCV libraries.

Skills

HTML5 | CSS | JavaScript | Figma | MERN Full-Stack (Web Development) • **Git** (Version Control)

Python | JAVA | C# | Kotlin | C++ (Coding) • **AWS | GCP | Docker** (Cloud Computing)

Terraform | Ansible (DevOps) • **MySQL | PostgreSQL | MongoDB** (Databases)

Unity (Game Development) • **Linux | Windows** (Operating Systems)

Certificates

Android Development Nanodegree
Udacity

Python Automation and Testing
LinkedIn

C# Programming and Unity
University of Colorado

CCNA I Routing and Switching
Cisco

Deep Learning: Image Recognition
LinkedIn

Version Control with Git
Udacity

Cloud Computing Fundamentals
KnowledgeHut

Terraform Basics
Coursera