

# Anwar Abdulqader Haredy

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## EDUCATION

King Abdullah University of Science and Technology  
*Master of Science in Computer Science*

**August 2022 – May 2024 (expected)**  
GPA: 3.9 out of 4 (First-Class Honours)

King Abdulaziz University  
*Bachelor of Science in Computer Science*

**May 2017 – July 2021**  
GPA: 4.77 out of 5 (First-Class Honours)

## TECHNICAL SKILLS

**Programming Languages:** Java, C++, Python, JavaScript, NodeJS, TypeScript, Bash, PHP  
**Frameworks:** React, Vue, Express, Django

**Tools:** Git, Docker, Postman, Kubernetes  
**Databases:** PostgreSQL, MySQL, MongoDB

## WORK EXPERIENCE

### Software Engineer

Saudi Aramco – EXPEC ARC

**August 2021 – July 2022**

KAUST, Thuwal

- Used OpenCV on videos of CT scans of core samples (rocks) to extract their faces at every frame.
- Used image manipulations and transformations to make the faces completely flat (2D parallel to the screen)
- Trained a model on the data set that generates synthetic full volume rocks

Tools: Python, OpenCV, Keras

### Software Engineer Intern

Tamara

**Jan 2021 – April 2021**

Riyadh

- Implemented checkout UI/UX improvements that increased customer conversion rate by 20%
- Implemented full localization for the partner portal to increase usability and partner satisfaction
- Developed the internal administration panel for the web application by adding new features

Tools: Vue.js, JavaScript, HTML, CSS, Docker

## RELEVANT EXPERIENCES AND PROJECTS

### Competitive Programming Team Leader

Java, C++

**Feb 2019 – March 2020**

Faculty of Computing and Information Technology

- Led a team of 4 members to practice and solve competitive programming problems and participate in contests
- Placed sixth in Google's HashCode 2020 (in Saudi Arabia)

### Tutor and Textbook Finder System (Senior Project)

Node.js, Vue.js, Sequelize, PostgreSQL, Docker

- Developed a Node.js based RESTful API with authentication and role-based authorization
- Managed a PostgreSQL database via Sequelize
- Developed the client application with Vue.js and fully integrated it with the backend
- Developed unit and integration tests for both projects and integrated them with a CI/CD pipeline

### Smart Garbage Monitoring System

C, Arduino mkr1000, Blink

- Connected a micro-controller with ultrasonic sensors to measure distance to the first obstacle
- Wrote a program in C to monitor the readings and alert the user when certain thresholds are reached
- The program provided real-time readings of waste levels and would alert the users via push notifications whenever certain thresholds were exceeded