

# FATIMA MOHAMMED ALBURAIKI

## Computer Science

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📍 Dammam, Saudi Arabia

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## EXPERIENCE

### Voluntary training

#### Imam Abdulrahman University

📅 July 2025 – Ongoing

📍 Dammam, Saudi Arabia

- Full-Stack Web Developer

### Content Developer and Instructor

#### SkillX

📅 January 2024 – April 2025

📍 Online

- Designed and delivered comprehensive Power BI training on data analysis and visualization.
- Created course materials, exercises, and practical examples to enhance learner engagement.

### Python Programming Course for Beginners

#### Najran University

📅 Feb 2023

📍 Najran ,Saudi Arabia

- Conducted a beginner-level Python programming training, covering fundamental concepts and hands-on exercises.

## PROJECTS

### Lecturer and Teachers Platform

📅 September 2025 – Ongoing

- a Full-stack web developer (HTML, C, SQL, JavaScript) for the teaching assistants and lecturers platform, which is a platform used to publish academic vacancy announcements available at the university, apply for them, and review applications..

### Tawtheeq platform

📅 July 2025 – September 2025

- a full-stack web developer (HTML, PHP, SQL, JavaScript) for the Tawtheeq platform, which is a platform used to publish and document training programs that allows trainers to upload their courses, create certificates, and automatically send them to the trainers.

### Facial Emotion Recognition Using CNN Models

📅 December 2024 – June 2025

- Developed a Convolutional Neural Network (CNN) model to recognize human emotions from facial expressions, trained on the FER2013 dataset, and optimized for accurate emotion classification.

### Design and development of a mobile app : HeadRest

📅 October 2022 – July 2023

- a Full-stack app developer, a smartphone system powered by AI, designed to monitor, identify, and predict migraine triggers and onset patterns using a machine learning technique

## LIFE PHILOSOPHY

*"The purpose of technology is to improve our quality of life, not to replace human presence"*

## MOST PROUD OF



#### Win Fourth place

Get Fourth place in the Business and Innovation Projects Competition



#### Honored by the President of NU

I was help to get our University achieving ninth place at Capture the Flag Competition of universities in Saudi Arabia



#### Won the Best Student Award

Huawei Saudi Seeds for the future program, Huawei, Online

## EDUCATION

### B.S. in Computer Science

#### Najran University

📅 Sept 2019 – June 2023

## LANGUAGES

English



Arabic



## STRENGTHS

Hard-working (18/24)

Solve problems

Imagination

creativity

Logical thinking

time management

Responsibility

leadership

Data Analysis and Visualization

Web Development HTML,CSS,JS,PHP

Developing Mobile Application:Android Studio

Database Management Firebase & SQL

Mobile Application

Deep Learning & Traditional Machine Learning

Scientific Research

UX

cientific Writing & Literature Review

Software Engineering

## CONFERENCES PARTICIPATION

The 6th National Computing Colleges Conference  
**Imam Abdulrahman Bin Faisal University**

📅 May 2024

📍 Dammam, KSA

The 5th National Conference of Saudi Computers  
Colleges

**Umm Al-Qura University**

📅 Dec 2022

📍 Mecca, KSA

## PUBLICATIONS

### Journal Articles

- **Title:** Emotion-Aware Smart Environment: Detection Technologies within IoT Systems Survey  
**Status:** Under Review
- **Title:** Emotion Recognition from Facial Expressions Using CNN-Based Deep Learning Models  
**Status:** Under Review

### Conference Proceedings

- **Title:** Towards Automated Cybersecurity Governance a Survey  
**Status:** Under Review *ICETI 2025*
- **Title:** Design and development of a mobile app : HeadRest, Migraine Tracking and Predicting System  
**Status:** Under Review – *ICETI 2025*
- **Title:** Cryptographic Algorithms to Secure IoT Devices: A Survey  
**Status:** Presented at *The 5th National Conference of Saudi Computers Colleges*

## TRAINING PROGRAM

Machine Learning Scientist in Python  
Track

**DataCamp**

📅 Jul 2025

📍 Online

Natural Language Processing Skill  
Track

**DataCamp**

📅 Jun 2025

📍 Online

Foundations of Swift Programming  
101, 102 , 103

**Tuwaiq Academy**

📅 Mar 2025

📍 Online

Introductory Artificial Intelligence  
Training Program

**KAUST Academy**

📅 Jan 2025

📍 Dammam, Saudi Arabia

Python for Data Science  
Specialization

**University of Michigan| Coursera**

📅 Dec 2024

📍 online

Exploratory Data Analysis for  
Machine Learning

**IBM| Coursera**

📅 Nov 2024

📍 online

HCIA-AI V3.0 Course

**Huawei**

📅 Aug 2023

📍 online

HUAWEI Seeds for the Future  
program

**Huawei**

📅 Aug 2021

📍 online