

# Abdullah Almutairi

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## PROFESSIONAL SUMMARY

Motivated Senior Computer Science student specializing in Machine Learning, Deep Learning, and Computer Vision. Experienced in building AI models using TensorFlow and PyTorch, with proficiency in Python, Java, and C/C++. Currently leading a graduation project on acoustic pollution monitoring to enhance urban environmental quality. Passionate about applying AI technologies to solve real-world challenges and eager to contribute to innovative projects in artificial intelligence and Machine Learning through a co-op opportunity.

## EDUCATION

**King Saud University — Riyadh, Saudi Arabia**

Aug 2021 - Jun 2025

Bachelor of Science in Computer Science

Expected Graduation: June 2025

## PROJECTS

Sep 2024 - present

### Digital Image Processing and Analysis

Oct 2024 – Sep 2024

Image Processing Specialist

- Developed image processing algorithms that enhanced the contrast of digital images through histogram equalization, linear intensity transformation, and logarithmic transformations.

### Machine Learning Experimentation with Medical Datasets

May 2024 - Jul 2024

Machine Learning Specialist

- Conducted machine learning analysis on heart disease, diabetes, and breast cancer datasets, utilizing scikit-learn and pandas for model development.

### Quadratic Congruence Solver

Apr 2023 - May 2023

Algorithm Developer

- Developed and Implemented a solver for quadratic congruences used in cryptography and coding theory, leveraging Fermat's Little Theorem for solution determination.

## CERTIFICATES

### Artificial Intelligence Specialization

Oct 2024 - Present

- KAUST Academy

### Machine Learning Specialization by Andrew Ng (Coursera)

Jan 2024 - Jul 2024

- Mastered fundamental machine learning concepts including supervised learning, unsupervised learning, and neural networks

### Deep Learning Specialization by Andrew Ng (Coursera)

Jul 2024 – Oct 2024

- Gained expertise in deep learning techniques, including CNNs, RNNs, and transfer learning.

### TensorFlow for Deep Learning Bootcamp (Udemy)

Jul 2024 - Oct 2024

- Developed proficiency in building and training deep learning models using TensorFlow.

## ADDITIONAL INFORMATION

**Technical Skills:** Python, Java, C/C++, SQL, TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Scikit-learn, Git, Jupyter, Google Colab, MATLAB.

**Soft Skills:** Ability to work under pressure, Teamwork, Excellent communication skills, Creative thinking, Problem-solving, Decision-making, Time management, Coaching.

## LANGUAGES

Arabic (native)

English (professional)