

Hassan Almosa

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PROFESSIONAL SUMMARY

Motivated third-year Computer Science (Artificial Intelligence) student with experience in IT management, multi-disciplinary projects, and leadership roles. Strong interest in artificial intelligence, machine learning, and full-stack web development. Seeking opportunities to apply technical expertise in real-world applications.

PROFESSIONAL EXPERIENCE

IT & Managerial Assistant – Eastern Constructions

Dammam, Saudi Arabia

February 2018 – August 2022

- Managed IT systems, networks, and resolved day-to-day system administration tasks.
- Handled accounting, payroll, and tax compliance for company finances.
- Acted as liaison with real estate clients and contributed to successful online marketing strategies.
- Assisted the General Manager with operations, reporting, and overseeing ongoing projects.

PROJECTS

Convolutional Neural Network for Image Classification

- Developed and optimised various deep learning Convolutional Neural Network (CNN) architectures for classifying images on the CIFAR-10 dataset. Experimented with advanced models (Residual Networks and Very Deep Convolutional Networks) and hyper-parameter tuning to enhance performance and accuracy.

Machine Learning Board Games Prediction

- Conducted a machine learning analysis to predict board game attributes using regression and classification models. Employed data engineering techniques to enhance models performance and accuracy.

Smart Manufacturing Dashboard

- Designed and developed a web-based (front-end & back-end) platform for factory monitoring using HTML, CSS, JavaScript, PHP, and MySQLi.
- Implemented real-time operation data tracking and reporting systems to support factory efficiency monitoring.

Engineers Without Borders Challenge

- Led multidisciplinary team and designed sustainable approaches to mitigate riverbank erosion in Queensland's *Djabugandji* community

WasteID: Recycling Assistant Project

- Led and collaborated on development of WasteID, a recycling guidance application leveraging barcode and image recognition, while implementing Agile framework and managing stakeholder relationships.

EDUCATION

Bachelor of Computer Science in Artificial Intelligence

Flinders University, Adelaide, Australia

February 2023 – November 2025

Diploma of Bioscience

La Trobe University, Melbourne, Australia

February 2014 – November 2015

SKILLS

- **Programming:** C++, Java, Python, Web Development (HTML, CSS, JavaScript, PHP), MySQLi
- **Machine Learning:** Neural Networks, Data Preprocessing, Feature Engineering
- **IT Systems:** System Administration, Cybersecurity, Networking
- **Soft Skills:** Leadership, Project Management, Documentation, Team Collaboration

CERTIFICATIONS

Cisco Certified Network Associate (CCNA)

Cisco Systems

AWARDS & SCHOLARSHIPS

Chancellor's Letter of Commendation (2023)

Flinders University

"Go Beyond" Excellence Scholarship (2023)

Flinders University