

Abdullah bin Eid bin Mathal

📍 Riyadh, SA ✉ aemathal@outlook.com ☎ 0550115996 🌐 aem.sa in AEMathal 📷 AEMathal

Education

Shaqra University

Bachelor of Science in Computer Science

Aug 2021 – May 2026

- Awards: Dean's Honor List

Experience

Data Management Intern

Saudi NIH

Riyadh, SA

Jul 2025 – Sep 2025

- Contributed to the development of data management and governance policies within the institute.
- Assisted in formulating the strategic plan for data management and governance at the institute level.
- Supported the design of a technical solution for data management and governance to enhance compliance and alignment with standards and regulations.

AI Teaching Assistant

KAUST Academy

Riyadh, SA

Dec 2024 - Apr 2025

- Assisted in teaching AI concepts to 100+ students from various universities through KAUST Academy programs.
- Supported the Lead Instructor in course preparation, classroom activities, tutoring, grading, and administrative tasks.

Artificial Intelligence Intern

KAUST

Thuwal (KAUST), SA

Jun 2024 - Aug 2024

- Selected among top 90 students from over 10,000+ applicants for KAUST's AI Summer Program.
- Explored advanced topics in Computer Vision, NLP, Generative AI, GNNs, and Reinforcement Learning.
- Developed a lightweight Salient Object Detection (SOD) model 99.8% smaller than PASNet (2.29MB vs. 951.7MB) with competitive performance.

Projects

Niclassifier

github.com/Niclassifier 📄

- Developed a real-time TinyML-based traffic classifier using the Arduino Nicla Vision Board.
- Tools Used: Python, Nicla Vision, Arduino, Scapy, Edge Impulse, PySerial

Salientful

Aug 2024

- Created a compact SOD model achieving 2.29MB and 601K parameters, reduced computational cost while maintaining high detection accuracy.
- Tools Used: Computer Vision, Python, PyTorch, OpenCV, NumPy, Matplotlib

Courses

Sustainable Development

University of Liverpool

Liverpool, UK

Jun 2025 – Jul 2025

TinyML Workshop

International Centre for Theoretical Physics

Thuwal (KAUST), SA

Feb 2025

Machine Learning Practitioner

SDAIA

Riyadh, SA

Feb 2024

Technologies

Languages: Python, SQL, JavaScript, HTML/CSS

Technologies: Git, Docker, Microsoft Azure, Google Cloud Platform, Jupyter Notebook, Google Colab