

# TAREK HAYDAR

**Phone:** +961 76 065580 | **Email:** tarekhhaydar@gmail.com | **LinkedIn:** [linkedin](#)

## SUMMARY

Strong foundation in Artificial Intelligence and Machine Learning. Proven ability to troubleshoot complex technical issues, automate processes, and develop innovative AI solutions.

## EDUCATION

### Artificial Intelligence & Data Science Diploma

*American University of Beirut (AUB), Beirut, Lebanon - August 2025 – Present*

Some skills acquired: Data cleaning, feature Engineer, handling missing data, Pandas, R, ML Models, Neural Networks, RCNN, Hyperparameter tuning, Data-driven decision making, NumPy.

### Bachelor of Engineering, Telecommunications Engineering

*Beirut Arab University (BAU), Beirut, Lebanon - January 2016 – May 2021*

ABET Accredited Program

## PROFESSIONAL CERTIFICATIONS & COURSES

- **LLM Engineering: Large Language Models & Agents**

*August 2025 – Present*

Currently mastering Large Language Models, Generative AI, RAG, LORA, and AI Agents (Practical course)

- **LangChain for LLM Application Development**

*DeepLearning.AI*

Completed course on building LLM applications using LangChain framework

- **Machine Learning Specialization**

*Stanford University Online (Coursera) - Remote*

Key Topics: Supervised/Unsupervised Learning, Regression (Linear, Logistic, Polynomial), Gradient Descent, Neural Networks, Fine-tuning, Vectorization, Learning Curves, Feature Scaling, Diagnosing Bias/Variance - Certificate: [Link](#)

- **Convolutional Neural Networks**

*DeepLearning.AI Online (Coursera) - Remote*

Key Topics: Implementation of CNN architectures (VGG, AlexNet, LeNet, MobileNet) - Sliding window, YOLO, R-CNN - Certificate: [Link](#)

## PROFESSIONAL EXPERIENCE

### Software Testing Specialist

*June 2023 – Present*

*Oryx Dental Software | Seattle, United States (Remote)*

Main tasks include: Isolating, diagnosing, and resolving IT and software issues across multiple Imaging systems. Led a small team of 3 in technical support to ensure seamless software operation, along with testing every update before deployment.

### Ericsson Scripting, Troubleshooting and Automation Engineer

*January 2021 – June 2023*

*Nexius | Texas, United States (Remote)*

Troubleshoot and isolated a wide range of issues and alarms on Telecom sites. Automated scripting processes by developing tools using Visual Basic (VBS & VBA) reducing scripting time from 30 minutes to just 5 minutes.

## PROJECTS

### YOLOV11 Object Detection AI Model (Personal Project)

- Developed a YOLOV11 object detection AI model from scratch using TensorFlow framework to detect teeth and caries in dental X-rays

### Image Forgery Detection (University Final Year Project)

- Implemented an AI model capable of detecting fake and altered images

### AI Automated assistant for Dental offices:

- AI Chatbot that can retrieve data from a Database and scrape webpages of a cloud-based software and generates patient summaries for clients.

## TECHNICAL SKILLS

**Programming Languages:** Python (TensorFlow, Keras, NumPy, PyTorch, R, Pandas, LangChain, Scikit-learn), Visual Basic (VBS, VBA), C/C++ , Matplotlib / Plotly, HuggingFace Transformers,

**AI/ML Technologies:** Deep Learning, Large Language Models , Object Detection, Neural Networks

## HONORS AND AWARDS

Received over 10 recognitions from team leads within one year for exceptional technical work quality -  
Recognitions Certificate : [Link](#)