

GitHub:



Portfolio Website:



Nasser Zorub

MACHINE LEARNING ENGINEER / DATA SCIENTIST

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Summary

I'm deeply interested in artificial intelligence and how it can be used to solve real-world problems. After completing three stages of the KAUST AI Specialization Program and working on several machine learning projects, I've developed a strong foundation in data science and model development. I enjoy exploring data, building smart systems, and continuously learning new tools and techniques in the field. Whether it's through hands-on projects or academic training, I'm always looking for ways to grow and apply what I learn to meaningful challenges.

Experience

MidEnd-Tech | MET(Intern as Backend Developer).....JUN 2024 - AUG 2024

- Developed various web-based projects using Agile methodologies, focusing on creating RESTful APIs from scratch.
- Managed the deployment process to servers, ensuring smooth and efficient releases.
- Communicated effectively with cross-functional teams to align on project goals and requirements.
- Took on a leadership role, guiding the team and overseeing project development to meet deadlines and quality standards.

Education

KAUST Academy Artificial Intelligence Specialization Program 2024 - 2025

- Enrolled in intensive AI and Data Science courses and hands-on projects.
- Attended advanced lectures in AI, Machine Learning, and Deep Learning.
- Had the opportunity to work on real-world AI challenges and collaborate with peers.
- Gained practical experience using Python, machine learning libraries.

Umm Al-Qura University, Bachelor of Computer Science 2021 - 2025

- GPA – 3.93 out of 4 with First-Class Honors.

Google Data Analytics Specialization 2024

- Completed an 8-course program covering the full data analysis lifecycle.
- Gained hands-on experience with tools such as spreadsheets, SQL, R programming, and Tableau.
- Developed skills in data cleaning, analysis, visualization, and effective communication of insights to stakeholders.

Projects

- Takkad: (Laravel ,Flask, Langchain)** [Repo](#)
 - Developed an AI-powered solution to verify Arabic news.
 - Designed and implemented a user authentication system with login and signup functionality.
 - Integrate an LLM with the help of Langchain.
 - Developed efficient LLM prompts using Prompt Engineering.
- Movie Genre Predictor (PyTorch, Computer Vision)** [Repo](#)
 - Built a machine learning model to classify movie genres based solely on poster images using deep learning.
 - Used a pre-trained ResNet model and fine-tuned it on a dataset of movie posters and corresponding genres.
 - Performed data preprocessing, custom dataset creation, and model training using PyTorch, achieving effective genre classification.
- Image Colorizer (TensorFlow, U-Net, GAN)** [Repo](#)
 - Developed a deep learning pipeline to colorize grayscale images using multiple architectures including U-Net, GANs, and diffusion models
 - Trained models on a custom dataset, evaluated performance visually and quantitatively, and optimized using GPU acceleration in Google Colab
 - Focused on improving image realism and consistency across different colorization techniques

Skills & Abilities

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|----------|----------------|-------------------------|
| • Python | • JavaScript | • Project Management |
| • PHP | • Java | • Teamwork |
| • SQL | • Git & GitHub | • Proficient in English |