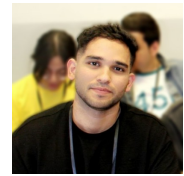


# Meelad Dashti

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## EDUCATION

### Politecnico di Torino

M.Sc. in Computer Engineering - AI and Data Science

Turin, Italy

Oct 2023 - 2025 (Expected)

### Yazd University

B.Sc. in Computer Engineering - Software Engineering

Yazd, Iran

Sep 2022

### Oakridge International School

High School Diploma - Mathematics and Physics

Hyderabad, India

May 2017

## EXPERIENCE

### Politecnico di Torino & AROL Group

AI/ML Engineer (Course Project for AROL Group)

Turin, Italy

June 2024 - Feb 2025

Developed an LLM-powered chatbot using LLaMA Transformers with LoRA fine-tuning and RAG via Pinecone for domain-specific knowledge retrieval. Created supervised Q&A datasets from web scraping (Scrapy/BeautifulSoup) and deployed on Hugging Face Spaces with Gradio interface.

### Politecnico di Torino

Lab Assistant - System and Device Programming

Turin, Italy

March 2025 - Ongoing

Assisting lab sessions and supporting students with debugging and optimizing C/C++ code.

### Pishgaman Innovation Accelerator

Android Developer

Yazd, Iran

May 2022 - Feb 2023

Built Nemad App for city-wide complaint management, optimized nested JSON search queries, and implemented MVVM architecture with Dagger 2, Hilt, and coroutines for maintainable code.

### CE Department, Yazd University

Undergraduate Teaching Assistant

Yazd, Iran

June 2022 - Sept 2022

Assisted in Software Engineering and Automata Theory courses, leading discussions and lab sessions.

### GSPANN Technologies Inc.

Web Development Intern

Hyderabad, India

May 2016 - July 2016

Developed static web pages using HTML, CSS, and JavaScript.

## MAIN PROJECTS

### 3D Neural Affordance Highlighter

Fall 2024

Developed a vision-language model for affordance region localization in 3D point clouds using CLIP-based textual supervision. Implemented multi-view and differentiable rendering techniques, and evaluated performance with IoU/aIoU metrics on the 3D AffordanceNet dataset.

### LLM Code Refactor Project

Fall 2024 - Ongoing

Building an LLM-powered system for automated code quality assessment and refactoring with repository selection, metadata extraction, and structured parsing capabilities. Enhances code readability and maintainability through prompt engineering.

### Symbolic Regression via Genetic Programming

Fall 2024

Applied genetic programming for symbolic regression, evolving mathematical formulas through hyperparameter tuning and optimizing MSE with strategic mutation approaches.

*More projects available on my portfolio*

## Professional Certificates

**Introduction to TensorFlow for Artificial Intelligence** [↗](#)

*DeepLearning.AI*

*Issued Aug 2022*

**Convolutional Neural Networks in TensorFlow** [↗](#)

*DeepLearning.AI*

*Issued Dec 2022*

**IELTS ACADEMIC: Overall Band 8**

*Speaking: 8.5, Listening: 8, Reading: 8, Writing: 7*

*Issued Oct 2022*

## Languages

English Native language

Hindi Fluent

Persian Native Language

Italian Elementary

## Technical Skills

**Programming & Development:** Python, Java, JavaScript, Kotlin, C, C++, Assembly, SQL, Android Studio, React, FastAPI, HTML, CSS

**AI & Machine Learning:** Scikit-learn, TensorFlow, Keras, PyTorch, Hugging Face Transformers, Pandas, NumPy, LangChain, RAG, LoRA, CNNs, RNNs, LSTMs, GANs, Autoencoders

**Databases & Deployment:** Firebase, MySQL, PostgreSQL, MongoDB, Docker, Git, GitHub

**Tools & Platforms:** Google Colab, Kaggle, Jupyter Notebook, VS Code, PyCharm, Postman, Linux, L<sup>A</sup>T<sub>E</sub>X, Figma, OpenCV, Matplotlib