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MeeladDashti
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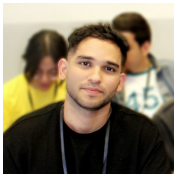

Meelad Dashti

EDUCATION

Politecnico di Torino — **Turin, Italy**
M.Sc. in Computer Engineering - AI and Data Science — *Oct 2023 - 2025 (Expected)*

Yazd University — **Yazd, Iran**
B.Sc. in Computer Engineering - Software Engineering — *Sep 2022*

Oakridge International School — **Hyderabad, India**
High School Diploma - Mathematics and Physics — *May 2017*

EXPERIENCE

Politecnico di Torino & AROL Group — **Turin, Italy**
AI/ML Engineer (Course Project for AROL Group) — *June 2024 - Feb 2025*

- Developed an **LLM-powered chatbot** for **AROL Group**, leveraging **LLaMA-based Transformers**, **LoRA** fine-tuning, and **RAG** with Pinecone for domain-specific knowledge retrieval.
- Collected and processed web data (Scrapy & BeautifulSoup), structuring it into a **supervised Q&A dataset** for fine-tuning via **instruction-based learning**.
- Deployed on **Hugging Face Spaces** using **Gradio**, enabling real-time interactions and customer support automation.

Pishgaman Innovation Accelerator — **Yazd, Iran**
Android Developer — *May 2022 - Feb 2023*

- Built **Nemad App**, a city-wide complaint management system for streamlined issue reporting and resolution.
- Optimized nested JSON search queries, significantly improving response times.
- Implemented **MVVM architecture** using **Dagger 2**, **Hilt**, and coroutines for maintainable, scalable code.

CE Department, Yazd University — **Yazd, Iran**
Undergraduate Teaching Assistant — *June 2022 - Sept 2022*

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

GSPANN Technologies Inc. — **Hyderabad, India**
Web Development Intern — *May 2016 - July 2016*

- Developed static web pages using **HTML**, **CSS**, and **JavaScript**, ensuring cross-browser compatibility.

MAIN PROJECTS

3D Neural Affordance Highlighter — *Spring 2024*

- Developed a **vision-language model** for localizing affordance regions in 3D point clouds using **CLIP-based textual supervision**.
- Leveraged **multi-view rendering** and **differentiable rendering** to enable neural affordance segmentation.
- Conducted **hyperparameter tuning** and evaluated performance using **IoU** and **aIoU** metrics on the **3D AffordanceNet dataset**.

LLM Code Refactor Project — *Spring 2024 - Ongoing*

- Developing an **LLM-powered system** for automated code quality assessment and refactoring.
- Implementing repository selection, metadata extraction, and structured code parsing.
- Enhancing readability, maintainability, and best practices through prompt engineering.

Symbolic Regression via Genetic Programming *Fall 2023*

- Applied genetic programming for symbolic regression, evolving formulas with hyperparameter tuning.
- Optimized MSE through mutation strategies and performance evaluation.

More projects available on my portfolio: meldashti.github.io

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	Persian	Native Language
Hindi	Fluent	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, LaTeX, Figma, OpenCV, Matplotlib