MONA DAVARI

Machine Learning Engineer - Software Engineering
+393792830867 | mona131376st@gmail.com | linkedin.com/in/md131376st | github.com/md131376st

CAREER OBJECTIVE

Experienced **Python Developer** with 5 years of expertise in software engineering, app development, and data management. Proficient in building scalable applications using **Streamlit and Python**, with hands-on experience in integrating **OpenAI API**, text mining, and retrieval systems. Passionate about leveraging machine learning in healthcare and life sciences to develop data-driven solutions.

TECHNICAL SKILLS

Programming Languages: Python (5 years) , JavaScript (3 years) , C# (1 years), Go (1 year), C++ ,Java
Frameworks: Django(2 years), fastApi(1 year), React (2 years); Familiar with Express.js
Machine Learning & AI: OpenAI API, PyTorch LangChain , LlamaIndex , Scikit-learn), Pandas, NumPy, Beautiful Soup
Data Management & visualization : Experienced with Hadoop, Spark, pySpark, SQL Server, MongoDB
Cloud Technologies:Google Cloud (GCP), AWS (knowledgeable)
DevOps Tools: Skilled in Docker, Kubernetes, Nginx, Git, CI/CD
Languages English(fluent), Italian(intermediate)

EDUCATION

Master of Science in Computer Engineering (AI and Data Analytics Pathway)	2021 – 2024
Politecnico di Torino	*Turin, Italy*
Bachelor of Science in Software Engineering	2015 – 2020
University of Tehran	*Tehran, Iran*

EXPERIENCE

GenAI Engineer | *python, Django, MongoDB, ChromaDB, Redis, Docker*　　　　Dec 2023 – May 2024
Iriscube Reply　　　　*Turin, Italy*

- Developed a RAG system using LangChain and LlamaIndex, optimizing context retrieval and improving efficiency.
- OpenAI API into Python applications, focusing on data extraction and real-time interaction.
- Implemented multi-processing with Celery to reduce task processing time by 33 %.
- Worked on backend app development using Docker, MongoDB, and Redis for high-performance applications.

Software Engineer | *WPF, Windows Form*　　　　Jul 2020 – Aug 2021
SnappFood

- Developed and maintained B2B applications for a real-time online food ordering platform, supporting 35,000 active users.
- Increased customer satisfaction and operational efficiency through effective problem-solving and continuous process improvements.

Full Stack Developer | *python ,Django, React, SQL server*　　　　Aug 2019 – Jun 2020
Asiatech

- Collaborated with a team of 15 to develop a platform for comprehensive content management by admins, featuring a dynamic user interface for customers and company representatives.

RECENT PROJECTS

Binary Classification | *Python, Machine Learning*　　　　May 2023 – July 2023

- Developed a gender classification model using Scikit-learn, improving model accuracy through hyperparameter tuning and cross-validation.

StudyPlan Platform | *React, Express.js*　　　　June 2022

- Designed and implemented a StudyPlan platform with a focus on backend data management and integration using Express.js.