

Fateme Jadidi

Machine Learning Engineer | Data Scientist

Contact Information

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Professional Summary

Machine Learning Engineer and Data Scientist with a passion for continuous learning and problem-solving. Adept at quickly grasping new technologies and methodologies to tackle complex challenges across diverse domains, including insurance claim risk prediction and medical imaging. Strong communication and teamwork skills enable the translation of complex technical concepts into actionable insights for business stakeholders. Committed to personal growth and staying ahead in the rapidly evolving field of AI.

Skills & Tools

Programming & Data Management

- Python (Pandas, NumPy, Scikit-learn) | SQL (SQL Server, MySQL, PostgreSQL) | Go | C++
- Data Structures & Algorithms | Statistical Analysis | Data Preprocessing

Machine Learning & AI

- XGBoost, Random Forest, TabNet | Regression Models | Feature Engineering
- Deep Learning: TensorFlow, PyTorch, CNNs, LSTMs, Transformers
- Diffusion Models, GANs, Image Inpainting, Alzheimer's Diagnosis

Data Visualization & Business Intelligence

- Power BI, SAP, Matplotlib, Seaborn, Exploratory Data Analysis (EDA)
- Microsoft Dynamics CRM, Data-Driven Decision-Making

Tools & Cloud Platforms

- Docker, Git, VirtualBox, Linux Environments
- AWS, Hugging Face, Flask, Django

Education

M.Sc. Computer Science | Semnan University

2023 – Present

- Head of the Students' Scientific Association of Computer Science
- Specialization: Soft Computing and Artificial Intelligence

B.Sc. Computer Science | Semnan University

2019 – 2023

- Member of the Computer Science Association

Languages

- Persian:** Native
- English:** Professional Working Proficiency
- Turkish:** Limited Working Proficiency

Work Experience

Teaching Assistant & Mentor

Aug 2022 – Present

- Assisted in Machine Learning, Software Engineering, and AI courses, mentoring 100+ students.
- Conducted hands-on coding labs in Python and C++, reinforcing ML concepts.
- Developed tutorials on algorithm optimization, improving students' performance by 30%.

Django Developer | Semnan Cert

Feb 2023 – May 2023

- Designed and implemented RESTful APIs using Django REST Framework and SQLite.
- Developed web applications, enhancing backend efficiency and user experience.
- Strengthened Python programming skills and deepened knowledge of web frameworks.

Development Intern | Dide Negar Hoosh No

Jul 2022 – Jun 2023

- Developed RESTful APIs using Go, Postman, and Swagger.
- Gained hands-on experience with Docker for containerization and Linux environments.
- Worked on AI implementations in web development projects.

Customer Relationship Management Specialist | Samayesh

May 2021 – Apr 2022

- Managed data using SQL Server and created interactive dashboards with Power BI.
- Executed Instagram marketing campaigns and generated analytical reports.
- Leveraged Microsoft Dynamics CRM to enhance customer engagement and streamline processes.

Certifications

- AI Python for Beginners** – DeepLearning.AI
- Collaborative Writing and Coding with OpenAI Canvas** – DeepLearning.AI
- How Diffusion Models Work** – DeepLearning.AI
- Data Programming** – SoloLearn
- Introduction to Python, C, HTML, SQL** – SoloLearn
- Exploratory Data Analysis in Power BI** – DataCamp
- Understanding Prompt Engineering** – DataCamp
- ChatGPT Prompt Engineering for Developers** – DataCamp

Projects & Research

- Insurance Claim Prediction Modeling:** Developed a hybrid model combining TabNet, XGBoost, and deep learning based on telematics data for risk assessment.
- Medical Image Inpainting & Alzheimer's Diagnosis:** Applied CNNs, U-Net, GANs, and diffusion models for advanced medical imaging analysis.
- Machine Learning Applications in Business Intelligence:** Designed Power BI dashboards for real-time decision-making.
- Face Detection & Telegram Bot:** Implemented a deep learning-based face detection model using OpenCV and TensorFlow. Developed a Telegram bot to process user-uploaded images, detect faces in real-time, and provide analytical insights.