Amirhossein Souri

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Summary

Currently studying computer engineering at Sharif University of Technology, Iran's top-ranked engineering school, where I ranked 14th out of more than 145,000 in the national entrance exam. At SUT, I've strengthened my teamwork and problem-solving skills by working on a variety of collaborative projects tied to my coursework.

Education

Sharif University of Technology **2022 - Present**
Bachelor of Computer Engineering

Shahid Beheshti High School **2019 - 2022**
Diploma of Mathematics and Physics

Professional Experience

Research Experience

Sharif RIML Lab (Robust and Interpretable Machine Learning) **Dec 2025 - Present**
Research Assistant, RIML Lab (PI: Dr. Rohban)

- Worked on unlearning methods for Text-to-Image diffusion models

Teaching Experience

Sharif University of Technology **Oct 2023 - Present**
Teaching Assistant

- Fundamentals of Programming (C) – Dr. Fazli (3 semesters)
- Advanced Programming (Java) – Dr. Fazli
- Probability and Statistics – Dr. Najafi
- Fundamentals of Programming (Python) – Mr. Kazemi
- Fundamentals of Programming (Python) – Mr. Malekzadeh
- Artificial Intelligence – Mr. Samiei & Mr. Fereydooni
- Machine Learning – Dr. Motahari
- Artificial Intelligence – Dr. Soleymani

Technical Experience

Hamravesh **Oct 2024 - Sep 2025**
Software Engineer

- Developed and deployed a microservice, including backend APIs, frontend UI, and Kubernetes deployment

Field of Interests

- Artificial Intelligence
- Machine and Deep Learning
- Data Science
- Computer Vision
- Human-Computer Interaction
- Natural Language Processing
- AI Security
- Software Engineering

Research Interests

- I have a strong passion for research in Artificial Intelligence, a field I have been drawn to since high school. My early experiences involved developing Machine Learning models, and this enthusiasm has only deepened throughout my university studies. I am eager to explore advanced topics in AI, particularly in Machine and Deep Learning, Computer Vision, and Data Science.

- More recent interests of mine include having been exposed to some foundational research tasks related to AI security through my work with one of the university labs. This experience has involved some initial investigation into topics such as machine unlearning and some basic attacks on learning models, which have given me some understanding of models and their robustness. Alongside this experience, I would like to continue to investigate numerous topics that fall under AI and Machine Learning.

Projects

ML Models Collection **GitHub Repository**

- Collection of some Machine Learning models I have learned
- Jupyter notebooks contain a brief explanation, related formulas, and some examples for each model
- My Implementation and Scikit-Learn usage of each model are shown and compared in notebooks

AI Practical Exercises **GitHub Repository**

- Practical assignments of Artificial Intelligence course
- Jupyter notebooks contain implementation of various AI algorithms

AI Security Exercises **GitHub Repository**

- Practical tasks completed for research project applications at the RIML and TSAIL labs
- Jupyter notebook implementing introductory model unlearning and basic attacks on unlearned models

Vim (Clone) **GitHub Repository**

- Project of Fundamentals of Programming course
- Most of the imporant commands of Vim editor have been implemented
- Logic programmed by C language – Graphical interface using Ncurses

Stronghold: Crusader (Clone) **GitHub Repository**

- Project of Advanced Programming course (2 teammates)
- Real-time simple version of the mentioned game with extra functionalities
- Logic programmed by Java – Graphics using JavaFX

aa Game (Clone) **GitHub Repository**

- Practical assignment of Advanced Programming course
- Extended version of the mentioned game
- Programmed with Java and JavaFX

Todo List **GitHub Repository**

- A simple Todo list with persistant local storage
- Programmed with Flask, HTML and CSS

Technical Skills

Programming Languages	C, C++, Python, Java, JavaScript, TypeScript, R, SQL
Machine Learning & GenAI	PyTorch, Hugging Face (Diffusers), Scikit-learn, TensorFlow
Data Science	NumPy, Pandas, Matplotlib
Web Development	React, Django, Flask, Tailwind CSS, Nginx
DevOps & Tooling	Git, GitHub, Docker, Kubernetes, Postman
Typesetting	Markdown, LaTeX

Coursework

Artificial Intelligence	Dr. Rohban	Grade: 19.3/20
Machine Learning	Dr. Sharifi Zarchi	Grade: 20.0/20
Linear Algebra	Dr. Ramezani	Grade: 20.0/20
Probability and Statistics	Dr. Najafi	Grade: 19.2/20
Database Design	Dr. Ramezani	Grade: 19.0/20

Languages

Persian: Native proficiency
English: Professional working proficiency
German: Elementary proficiency