

# Alireza Abbaszadeh

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## ✓ Professional Summary

Software developer with solid expertise in backend development, automation, and DevOps, complemented by hands-on experience in network engineering and infrastructure management. Proven ability to design and deploy automation tools and manage complex network environments. Skilled in Docker-based self-hosting and open-source solutions. Currently advancing expertise in Agentic AI to leverage emerging AI technologies for real-world problem solving. Passionate about continuous learning and innovative technology application.

## Work Experience

### Software Developer / Network Automation Engineer at Part Software Group

AUG 2023 – JUN 2025 | MASHHAD, IRAN

- Lead developer in DevNet project for automating network device configuration and policy deployment
- Developed Python-based tools for Fortigate firewall rule auditing and policy automation using REST API
- Developed a Python library to simplify connection and configuration changes to network devices
- Administering 50+ Cisco IOS/IOSXE switches, including Catalyst 2960 and C9300 models
- Managing Fortigate firewalls
- Administering Mikrotik wireless
- Administering Ubiquiti APs
- Mentoring interns

### Lecturer at Part Software Group College

September 2024 | MASHHAD, IRAN

- Network Training Course Based on Cisco's CCNA Certification
- Network Automation

### Teaching Assistant at Department of Mathematical Sciences, Ferdowsi University of Mashhad

- Advanced Programming × 2
- Computer Fundamentals and Programming

## Education

### B.Sc. in Computer Science at Ferdowsi University of Mashhad

AUG 2024 | MASHHAD, IRAN

## Certifications

### Cisco Certified Network Associate Routing and Switching (CCNA) at Part College

June 2023

## ☆ Skills

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### Programming Languages

: Python, C#, C/C++, JavaScript

### Frameworks/Tools

: Git, Docker, Docker Compose, Flask, FastAPI, Traefik, Gitlab CI/CD, Jupyter Notebook, .Net, Blazor, python wheels

### Software Development

: API development, Automation Scripting, Object-Oriented Design

### DevOps & Infra

: Linux System Administration, Netbox, EVE-NG

### Networking

: Switching: STP, VLANs, Routing: OSPF, Inter VLAN routing, Network Security: FortiGate Firewall, Wireless Networking: UniFi Wireless Controller, MikroTik Wireless

### Security

: NAC & 802.1X, Switching Security(port security, DHCP Snooping, DAI, IPSG)

### Databases

: SQLite, MS SQL Server, JSON file handling, ORM

### Other

: VS Code, Vim, Agile & Git-based Collaboration

### Currently Learning

: Generative AI and Conversational AI techniques, Agentic AI, RAG, Prompt engineering, fine-tuning LLM, MLOps, Multi-agent systems, LangChain, LangGraph, n8n

## <> Projects

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### Bachelor Thesis: [large text summarizer](#)

- Fine-tuning an LLM model to generate abstractions for large texts, such as articles.
- Conducted research and development under the supervision of Prof. Modjtaba Rouhani, ensuring academic rigor and practical application.