

## Mehrdad Karami

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I'm an aspiring Web Developer and IT Specialist who loves solving real-world problems with technology. I work hard, adapt quickly, and enjoy working with others. I've gained hands-on experience in web development, basic cybersecurity, and system administration, and I'm excited to keep learning and growing as part of a team.

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### EDUCATION

<b>Associate's degree, Information Technology</b>	New River Community College, VA.	2018 – 2022
<b>Bachelor of Arts in Architectural Engineering</b>	Yazd university, Yazd, Iran.	2011 – 2017

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### WORK EXPERIENCES

<b>Architectural expert in 13degrees</b>	2018 – 2022
<ul style="list-style-type: none"><li>Collaborated with cross-functional teams, including engineers and contractors, to lead architectural design for commercial and residential projects using Revit.</li></ul>	
<b>Account Manager in Arvingostar</b>	2016 – 2021
<ul style="list-style-type: none"><li>Managed all company transactions using Sib software, ensuring accuracy and efficiency in financial operations.</li></ul>	

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### PROJECTS

- Full-Stack Web Development Project:** Built a personal portfolio website using HTML, CSS, JavaScript, and GitHub. Developed a task management app with React and MySQL. Deployed app using Docker and Nginx. Integrated JSON handling with JavaScript and PHP.
- Hospital Data Management System (MySQL):** Designed and implemented structured tables for patients, staff, and billing. Managed relationships between entities to ensure data integrity. Optimized for efficient data access and retrieval.
- Penetration Testing Project:** Identified vulnerable IPs and assessed security risks. Used Nmap for network scanning and Nessus for vulnerability assessment. Documented findings and recommended mitigation strategies.
- Open WebUI Integration with Ollama (Mistral):** Integrated Mistral model with Open WebUI using Ollama. Created structured knowledge text to guide chatbot responses. Fine-tuned configuration (e.g., temperature) for better accuracy and performance.
- Virtualization & Network Segmentation with Proxmox:** Installed Windows and Ubuntu VMs inside Proxmox VE. Configured separate VLANs for each VM. Connected VMs through a managed switch for inter-VLAN communication.

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### SKILLS

#### Technical

- Web & Software Development:** HTML5, CSS3, JavaScript, React, PHP, Git, MySQL, JSON, Docker, Python, UI/UX Principles, Open WebUI
- System & Network:** Linux System Administration, Network Configuration, Cybersecurity Basics, Hardware Troubleshooting.
- Design Software:** AutoCAD, Revit

#### Professional

- Problem Solving & Critical Thinking, Teamwork & Communication, Attention to Detail, Creativity & Adaptability, Enjoys dynamic & fast-moving teams, Stress & Time Management.

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**AWARD/ LEADERSHIP & VOLUNTEER SERVICE**

- Achieved President's List status.
- Awarded a partial scholarship by NRCC for academic excellence.
- Led a chatbot-focused LLM class project.
- Member of the Red Crescent Organization, and the Association for the Protection of Animals and Environmentalists in Iran.
- Member of the Architecture Scientific Society of Yazd University.
- Moving and organizing books for the 2023 Book Donation Initiative for Malawi.