

## ***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.

### **Education:**

- **Associate's degree, Information Technology** (May 2023-May 2025)  
New River Community College -- Dublin, VA

### **Projects:**

- **Full-Stack Web Development Project:** Developed a full-stack web project that included a personal portfolio website and a task management app. Built the responsive portfolio using HTML, CSS, JavaScript, and GitHub. Created the task manager app with React and MySQL, deploying it using Docker and Nginx. Integrated JSON data handling with JavaScript and PHP.
- **Hospital Data Management System (MySQL):** Designed and implemented a hospital data management system using MySQL. Organized patient, staff, and billing information into structured tables, and managed relationships between entities to maintain data integrity and support efficient access.
- **Penetration Testing Project:** Conducted a penetration testing project to identify vulnerable IPs and assess security risks. Used tools like Nmap for network scanning and Nessus for vulnerability assessment. Documented findings and offered recommendations to reduce potential threats.
- **Open WebUI Integration with Ollama (Mistral):** Integrated the Mistral model with Open WebUI using Ollama to enhance conversational AI performance. Created structured knowledge text to guide responses and fine-tuned configuration settings, like temperature, to improve accuracy and response time.

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

### **Award/ Leadership & Volunteer Experience:**

- Achieved President's List status.
- Awarded a partial scholarship by NRCC for academic excellence.
- Led a chatbot-focused LLM class project.