

Education

Bowling Green State University (BGSU) , Master of Computer Science, GPA 3.8/4	Aug 2023 - May 2025
Relevant courses: Design and Analysis of Algorithms, Secure Software Engineering, AI for Software Engineering, Data Science programming, Data Visualization. Teaching Assistant: Software Architecture, Parallel Computing, Operating Systems. <i>Awarded Best Graduate Teaching Assistant (Spring 2025)</i>	
Azad University (IAU) , Bachelor’s in Software Engineering, GPA 3.8/4	Sep 2015 - Apr 2019

Experience

Graduate Teaching Assistant, Bowling Green State University <ul style="list-style-type: none">Facilitate study sessions and labs for undergraduate students in Operating Systems and Network Architecture & Applications.Graded assignments and quizzes in C/C++ programming using Linux-based environments and providing constructive feedback to students.	Aug 2023 - May 2025
DevOps Engineer, Hamraveshtech <ul style="list-style-type: none">Designed and implemented scalable infrastructure for web applications.Containerized backend and frontend services using Docker and deployed on OpenShift for efficient orchestration.Tuned operating systems and edge proxies, improving application response times by 30%.Collaborated with developers to automate deployments and monitor production systems.	Sep 2021 - Aug 2022
Software Engineer, Green Host <ul style="list-style-type: none">Contributed to the development of backend services for the green hosting platform, focusing on performance, reliability, and energy-efficient design.Automated infrastructure setup and scaling using Python and Bash scripts.Worked on improving client-facing features in the hosting control panel.Monitored server uptime and collaborated with senior engineers on performance and reliability.	Jun 2020 - Jul 2021
IT Support, Green Host <ul style="list-style-type: none">Administered and maintained Linux/Windows infrastructure, improving uptime and security posture.Troubleshoot and resolved network issues, reducing average downtime by 30%.Supported 100+ users; implemented ticketing and response best practices.Trained new hires on IT protocols and endpoint security hygiene.	Dec 2018 - Jun 2020

Academic projects

Piqniq – Emergency Support for Panic Attacks (2nd Place Winner at BGSU ACM Hackathon 2025)

- Designed and developed a mobile application to assist users during panic attacks through a one-tap alert system.
- Enabled real-time location sharing and emergency contact notifications through a calming, intuitive interface.
- Integrated a virtual assistant and guided breathing feature to comfort users while help is on the way.
- Tech:** TypeScript, JavaScript, CSS, HTML, Google Maps API.

CI/CD Pipeline for Face Detection App

- Containerized a Flask-based face detection app using Docker for modular deployment and reproducibility.
- Created a GitHub Actions workflow to automate linting, unit tests, and deployment to Render on every push to main.
- Managed secure file handling and version control of models and assets via GitHub.
- Tech:** Flask, Docker, GitHub Actions, Render, OpenCV.

OpenStack GPU Automation

- Wrote Ansible playbooks to automate OpenStack provisioning.
- Integrated GPU passthrough and vGPU solutions for performance workloads.
- Tech:** OpenStack, Ansible, Linux, vGPU, Bash, Python.

Skills

Virtualization: OpenStack (Design, Implementation, Testing), VMware, AWS (EC2, S3, IAM, RDS), Linux

Languages: Python, Bash, YAML, Shell Scripting

DevOps & Automation Tools: Docker, GitHub Actions, Jenkins (basic), Terraform (basic), Ansible (basic), Docker Compose, Cron Jobs, Kubernetes (basic)

Security & Monitoring: Iptables, Fail2ban, OS Hardening, System Monitoring, Audit Tools

CI/CD: GitHub Actions, Jenkins, Docker Compose, Render, Git

Software Engineering & APIs: Flask, Node.js, REST APIs, PostgreSQL, MongoDB, JSON

Soft Skills: Communication, Curiosity, Teamwork, Problem-solving

Awards & Involvement

- 2nd Place**, BGSU ACM Hackathon (2025) – Built a mental health alert app “Piqniq” in a 24-hour team challenge.
- Research Assistant**, BGSU (2025–Present) – Supporting digital forensics research and experimentation.
- Volunteer Pen Tester, Secure Signals Project:** Tested OWASP Top 10 vulnerabilities and wrote issue reports.

Publications

• Comparing LNK File and Jump List Artifacts on Windows 11 with those on Windows 10	under preparation
• Breakthroughs in Brain Tumor Detection: Leveraging Deep Learning and Transfer Learning for MRI-Based Classification	under preparation

Certificate

Full Stack Developer, (Certified via Udemy)
AWS Cloud Practitioner, (Certified via Udemy)
DevOps Engineering, (Certified via Udemy)
Technical Support, (Certified via Google)
Python Programming, (Certified via Google)