

Dev Patel

devpatelcs@gmail.com

EDUCATION

Elmhurst University

Bachelor of Science in Computer Science, Cybersecurity

Elmhurst, IL

Sep. 2017 – May 2022

EXPERIENCE

Cyber Software Engineer

Northrop Grumman

Sep. 2023 – Jan. 2025

Cincinnati, OH

- Developed an internal testing framework in C/C++ and Python and incorporated it into GitLab CI/CD, enabling automated building, testing, and validation of internal tools and projects
- Engineered rigorous test cases in Python and C/C++ for deliverable projects which reduced unknown bugs, increasing customer satisfaction
- Conducted vulnerability research, reverse engineering, and dynamic/static analysis on various firmware and architectures to develop innovative solutions for complex challenges
- Utilized GDB and Wireshark to analyze system behavior, identify security vulnerabilities, and enhance software performance and resilience

IT Specialist

Code Ninjas

Jan. 2018 – Sep. 2022

Chicago, IL

- Deployed and maintained IT infrastructure, including 50+ laptops, network drives, and cloud storage solutions to enhance document accessibility and streamline productivity
- Designed and led coding workshops in JavaScript, C++, Python, and C# Unity
- Optimized CRM operations using Zoho, implementing automated workflows, data analytics, and customer segmentation strategies, significantly increasing lead conversion rates and customer retention

PROJECTS

Exploit Hunter | *Python (Flask), PostgreSQL, Angular*

- Developed a full-stack cybersecurity dashboard to scan networks and analyze vulnerabilities
- Integrated PostgreSQL for storage of vulnerability logs and threat data
- Incorporated real-time threat checking via VirusTotal and AbuseIPDB APIs and system auditing with Lynis

League Tracker (League of Legends) | *C++, SQLite, React, Tailwind, Crow*

- Built a full-stack match tracker using C++ (Crow) and React with Tailwind for a responsive UI
- Utilized SQLite for dynamic data storage and retrieval and displaying match data in real time
- Optimized front-end performance with Vite and modern React tooling for smooth user experience

TECHNICAL SKILLS

Languages: C/C++, Python, Java, SQL, JavaScript

Frameworks & Libraries : React, ASP.NET, Angular, Flask, PyTorch

DevOps & Tools: Linux, Docker, GitLab, git, AWS (EC2, S3, Lambda)

Monitoring/CI/CD: GitLab CI/CD, CronJobs, bash, REST APIs

CS Fundamentals: Data Structures, OS, OOP, DBMS, Networking