

Mohamed Aziz Bchini

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Education

National Institute of Applied Science and Technology (INSAT)

2021 - present

- Engineering student at INSAT
- Specializing in Computer Networks & Telecommunications

Farhat Hached Bizerte High School

2017 - 2021

- Graduated with score of 17.93 /20

Technical Skills

- **Programming:** C, C++, Python, SpringBoot, SQL, MERN stack
- **Tools:** Metasploit, Burp Suite, WireShark, Nmap, Prometheus, Grafana, Ansible, Git, Docker ...
- Linux Administration, SQL Server Management
- Vulnerability Assessment and Penetration Testing (VAPT)

Projects

Facility Reservation Platform for INSAT

Developed a college facility reservation platform using the MERN stack, implementing a CI/CD pipeline and security measures against XSS and broken authentication. [\[see project in github\]](#)

Web Exploit CTF challenges

Authored several web exploit CTF challenges and curated writeups for selected ones on my [GitHub repo](#).

Azure Sentinel SIEM Attack Map + Honeypot

- Set Up Azure Sentinel (SIEM) and connect it to a live virtual machine acting as a honey pot.
- Collected honeypot attack log data and queried it in the Sentinel SIEM.
- Visualized the data on a world map by event count and geolocation.

Infrastructure Monitoring Automation

Deployed a monitoring solution utilizing Ansible playbooks and Grafana dashboards, in a linux environment.

Automating secure code review

- Developed a script to interact with LLM APIs for secure code reviews, focusing on vulnerabilities related to code logic.
- Integrated the tool into the CI/CD pipeline to ensure continuous and automated security assessments.

Relevant Experience

CyberSphere Congress 5.0

Technical Author

- Wrote web exploit challenges for the CTF competition and challenges for the Treasure Hunt Competition (OSINT).

WinterCup 3.0 & 4.0

System Administrator

- Managed system infrastructure, leveraging technologies like Linux server administration, Docker, and Kubernetes.
- Implemented automation scripts using Bash and Python for seamless system administration.
- Utilized monitoring tools such as Prometheus and Grafana to maintain system health.

COHEALTH

Cyber Security Engineer

- Worked on the SAYDALID project, where I performed a comprehensive security audit for APIs, data transfer, and storage.
- Conducted secure code reviews to identify and mitigate vulnerabilities, ensuring robust security measures were in place.

Certifications

- CCNA 1,2 & 3
- Google Cybersecurity Professional Certificate
- AWS Cloud Practitioner

Leadership

SecuriNets INSAT

2022 - present

- Executive Board member: External Relations Manager.
- Technical Team Member (CTF author and mentor) .

ACM INSAT

2022 - present

- Member of the system administration team.