

Mustafa Arsad Geylani

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PROFESSIONAL SUMMARY

Cybersecurity Specialist with 2+ years of experience securing AI systems and banking-sector infrastructure. Expertise spans AI security, threat modeling, cloud security (AWS, Azure), WAF/IPS/SIEM operations, adversarial AI risk assessment, and developing security awareness campaigns. Designed and implemented an enterprise AI TRiSM (Trust, Risk & Security Management) framework embedded into AI development lifecycles at a major financial institution.

WORK EXPERIENCE

Cybersecurity Specialist | Türkiye İş Bankası

Ankara, Turkey | May 2024 – Present

- Designed and implemented an enterprise AI TRiSM framework covering AI model security, guardrails, and adversarial risk assessment; embedded governance controls into AI system development lifecycles in coordination with AI and data teams.
- Supported public cloud security operations on AWS and Azure; conducted container security reviews and Docker configuration assessments.
- Assessed security of AI platforms and applications, identifying attack surfaces and recommending practical mitigations aligned with emerging AI security and data security standards
- Participated in incident response activities including log analysis, WAF signature review, and cross-functional incident review meetings to contain and remediate security events.
- Reviewed, tuned, and maintained 500+ WAF, IPS, and SIEM rules and signatures to minimize false positives and ensure threat detection coverage against emerging threats.
- Operated Picus Security for breach and attack simulation, validating detection coverage and identifying telemetry gaps across security controls.
- Performed threat modeling and security risk assessments on existing and newly acquired products; aligned findings to ISO 27001 and NIST CSF frameworks.
- Developed Python and Bash scripts to automate security operations and enable anomaly detection alerting on the security dashboard.
- Reduced organization-wide phish rate from 10% to 1% through phishing simulation campaigns covering 25,000+ employees; delivered security awareness training to 1,400 senior managers.

Security Engineer Intern | Fibabanka

Ankara, Turkey | Mar 2024 – May 2024

- Conducted third-party risk management assessments and authored operational playbooks for vulnerability and asset management.

Software Test Engineer | Virtual i Technologies

Switzerland (Remote) | Sep 2021 – May 2023

- Designed test plans and automated regression suites using Selenium (Java) with API testing.

Software Developer Intern | LAYERMARK

United States (Remote) | Jan 2022 – May 2022

- Built web application features using JavaScript and Vue.js; contributed to TypeScript and HTML/CSS projects.

EDUCATION

MSc, Cybersecurity | Saarland University

Saarbrücken, Germany | Oct 2023 – Apr 2024

Graduate-level coursework (non-graduating) | Modules: Security Testing, Penetration Testing, Network Security, Mobile Security, Threat Analysis

BSc, Computer Technologies & Information Systems | Bilkent University

Ankara, Turkey | Sep 2019 – Jul 2023

Graduated Cum Laude | GPA: 3.35/4.00 | High Honor & Honor Student 2020–2023 | Coursework: Cloud Security, Computer Networks, Cryptography, Authentication Protocols, Python, Data Analysis

SKILLS

Security Operations: SIEM, WAF, IPS, IDS, EDR, Firewall, IAM, OS Security Compliance

Cloud Security: AWS, Azure, Google Cloud, Container Security

Frameworks & Standards: ISO 27001, NIST CSF, PCI DSS, GDPR

Specializations: AI Security, Cloud Security, Vulnerability Management, Threat Modeling, Application Security, AI TRiSM, Incident Response, Third-Party Risk Management

AppSec Tooling: Checkmarx (SAST), Burp Suite (DAST), Picus (BAS), Docker

Programming: Python, Bash, SQL, Java, JavaScript, Vue.js

Languages: Turkish (Native) | English – Full Professional (IELTS 8.0, TOEFL 114/120) | German – Intermediate (Deutsch Als Fremdsprache, UdS)

MENTORSHIP & PROFESSIONAL INVOLVEMENT

Cybersecurity Mentor | Bilkent University – Department Mentorship Program

Ankara, Turkey | 2025 – Present

- Mentoring an undergraduate student pursuing a career in cybersecurity; providing guidance on technical skill development, certification roadmap, and professional direction.

Professional Memberships: IEEE Member | IEEE Computer Society | IEEE Privacy and Security Community (since 2026)

CERTIFICATIONS & AWARDS

Certifications: AZ-900 Microsoft Azure Fundamentals | Google Cybersecurity Certificate | Cisco Introduction to Cybersecurity | CompTIA Security+ (in progress)

Awards: 1st Place, Robotics – Bahçeşehir University | Pass with Distinction PAE – University of Cambridge | Bilkent High Honor & Honor Student 2020–2023