

Samet Yılmaz Temel

Cybersecurity & Artificial Intelligence Engineer

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ABOUT ME

I am an engineer focused on specializing in cybersecurity and artificial intelligence, with experience in software development, application security, and AI-powered systems. Alongside my academic studies, I have actively contributed to various projects involving AI integration, secure software development, and automation systems. I aim to leverage my technical expertise to develop innovative, secure, and scalable solutions. In 2024, I received the **Best Presentation Award** at **TEKNOFEST** for the **SorAI** project and secured **third Place in the MAIN Idea and Implementation Category** at the **HAVELSAN Ekspres Hackathon**.

PROFESSIONAL EXPERIENCE

ThinkBro Artificial Intelligence, IT & Consulting | AI Engineer | Intern | June 2026 – September 2026

- Developed AI-powered features and applications by integrating LLMs and AI services into existing software products.
- Developed autonomous AI workflows and automation systems using Multi-Agent Systems, LLM Orchestration, Tool Calling, and API integrations.
- Worked on model interaction, task management, and multi-agent coordination using Prompt Engineering, RAG, and Agentic AI approaches.
- Participated in requirements analysis, AI solution selection, prototyping, and the integration of developed features into existing systems.

Microsoft | AI Summer Internship Program | Istanbul, Türkiye (Remote) | Intern | June 2026 – September 2026

- Worked on AI model development, training, evaluation, and deployment processes using Azure AI Foundry and Azure Machine Learning.
- Developed AI-powered applications using Large Language Models (LLMs), RAG, Prompt Engineering, and Fine-Tuning techniques.
- Performed model integration, performance analysis, and optimization using Azure OpenAI Service and Azure AI Services.
- Explored identity and access management (IAM) and cloud security mechanisms using Microsoft Entra ID (Azure AD), RBAC, and Managed Identities.
- Worked on secure, scalable, and observable AI application architectures using Azure Key Vault, Azure Monitor, and Responsible AI principles.

Secretary General of the Presidency of the Republic of Türkiye | Department of Systems, Network Management and Information Security | Intern | November 2025 – February 2026

- Contributed to system security, network management, and information security operations within a governmental infrastructure environment.

Peakeye Group | Application Security Engineer | İstanbul, Türkiye (Remote) | July 2025 – November 2025

- Executed enterprise-scale SAST, DAST, and SCA scans; triaged findings and coordinated remediation SLAs across development teams.
- Integrated OWASP ASVS controls into SDLC and pull request workflows.
- Implemented DevSecOps controls in CI/CD pipelines using GitHub Actions and GitLab CI.
- Enforced SAST, SCA, container, and IaC scans as pipeline security gates.
- Managed vulnerability lifecycle using CVSS v3.1 and EPSS for risk prioritization.
- Conducted manual secure code reviews and threat modeling sessions.
- Established a Security Champions program and improved first-time remediation rates.

Tech Pioneers | Cyber Security & AI Engineer / Instructor | March 2023 – September 2025

- Delivered 5+ hands-on workshops and bootcamps on Application Security, Kubernetes Security, SIEM Detection Engineering, and Incident Response.
- Developed AI systems using LoRA/QLoRA fine-tuning, Retrieval-Augmented Generation (RAG), and optimized model deployment (vLLM, Triton, ONNX).
- Built cloud-based cybersecurity labs and CTF environments.
- Standardized secure SDLC frameworks aligned with ISO 27001 and NIST CSF.

SkyArt Technology | Developer | Remote | June 2023 – June 2025

- Developed security microservices using Python and Go for vulnerability intake and triage workflows, reducing MTTR by 30%.
- Implemented detection-as-code using Sigma and KQL with CI/CD integration, reducing false positives by 25%.
- Built event-driven pipelines using FastAPI and Kafka to consolidate SAST/DAST/SCA findings.
- Automated Jira and GitHub issue creation with SLA tracking.
- Implemented Terraform-based Infrastructure as Code and OPA/Conftest guardrails across GCP, AWS, and Azure environments.

Firat University | Information Technology Department | Cybersecurity Engineer | Intern | Elazığ, Türkiye | June 2022 – September 2022

- Conducted vulnerability assessments for critical systems.
- Developed ISO 27001-compliant detection rules and documentation.
- Reduced false positives through cross-team collaboration and rule optimization.

PROJECTS

AI-Based Large Language Model for Multiple-Choice Question Generation (SorAI)

- TEKNOFEST 2024 Best Presentation Award
- TEKNOFEST 2024 Antalya Finalist

AI-Based Cyber Attack Detection System for IoMT Networks

- TEKNOFEST 2024 Antalya Finalist

AI-Based Geolocation and Tactical Analysis System (GAIT)

- TEKNOFEST 2025 Cyprus

Vulnerability Classification Using Neural Networks (Academic Project)

- Academic Project

EDUCATION

- Firat University | Bachelor of Science in Digital Forensics Engineering | 2022-2026 | GPA: 3.30

TECHNICAL SKILLS

- Cloud Security & Platforms: GCP, AWS, Azure — IAM, Workload Security, Vulnerability Management, Compliance Integration
- Application Security: SAST, DAST, Secure Code Review, Threat Modeling, OWASP ASVS/Cheat Sheets.
- Detection Engineering & Incident Response: SIEM (Splunk, ELK/Elastic, QRadar), EDR, IDS/IPS; Alert Tuning, Threat Hunting, Malware Analysis
- LLM, NLP & Machine Learning: PyTorch, HF Transformers; LoRA/QLoRA; RAG (FAISS/Milvus/pgvector); SentencePiece; MMLU/GLUE/ROUGE/BLEU); vLLM/Triton, ONNX, 8/4-bit quantization; MLflow/W&B/DVC; security (DPO/RLHF, prompt-injection and security, PII masking).
- Networking & Platforms TCP/IP, Firewalls, VPN; Linux, Windows, macOS.
- ML/LLM for Security: Vulnerability Classification, Secure Coding Assistants, Exploit Pattern Analysis

CERTIFICATIONS

Harvard University - Computer Science (2024)
HackerRank - CyberSecurity Engineer (2024)
HackerRank - Software Engineer (2024)
Oracle - Certified Cloud Manager (2025)
Fortinet – FortiGate Operator (2025)

LANGUAGES

- Turkish - Native
- English - B2

REFERENCES

Prof. Dr. Türker TUNCER Firat University / Department of Digital Forensics Engineering turkertuncer@firat.edu.tr +90 *** **	Yusuf DURUMLU Cezeri Artificial Intelligence & Robotics Technologies / Control and Automation Engineer yusuf.durumlu@cezerirobot.com +90 *** **	Prof. Dr. Şengül DOĞAN Firat University/ Department of Digital Forensics Engineering sdogan@firat.edu.tr +90 *** **
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