SAKETH PARIMI

MSc Cybersecurity Graduate | Penetration Testing · SOC & Threat Detection
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PROFESSIONAL PROFILE

MSc Cybersecurity graduate (Distinction, Coventry University) with hands-on work on both sides of security. Offensive: built VASTA, a custom Python vulnerability-assessment pipeline that discovers and validates XSS, SQLi, LFI, open-redirect and CORS flaws. Defensive: deployed a Cowrie honeypot with threat-intel enrichment and MITRE ATT&CK mapping, and an explainable ML intrusion detection system. Backed by a BTech in AI & Data Science and Google Cybersecurity and Azure certifications. Analytical, detail-oriented and a clear communicator, seeking a graduate, internship, apprenticeship or junior (Level 1–2) role in penetration testing, SOC analysis or wider security operations.

CORE SKILLS

Offensive Security: Web application testing (OWASP Top 10: XSS, SQLi, LFI, open redirect, CORS), reconnaissance & enumeration, vulnerability assessment & validation
Defensive Security: Log & pattern analysis, SIEM & incident response fundamentals, threat detection & intelligence, IOC enrichment, MITRE ATT&CK mapping
Networking: TCP/IP, DNS, HTTP, SSH/Telnet; subdomain, host & endpoint discovery; network intrusion detection
Scripting & Tooling: Python (automation, custom security tooling), Bash, command line, Docker, FastAPI, Git
Labs & Cloud: TryHackMe, CTFs, DVWA, Metasploitable, Testfire; Azure, OCI; ML threat detection (scikit-learn, SHAP)
Professional: Strong written & verbal communication, attention to detail, adaptable, quick learner, team collaboration
Languages: English, Hindi, Telugu

EDUCATION

MSc Cybersecurity — Coventry University *Sep 2025 – Sep 2026*
- Grade: Distinction | Dissertation: 75% | Specialist module: Ethical Hacking & Penetration Testing, covering practical offensive and defensive techniques.

BTech, AI & Data Science — KLH University *Aug 2021 – May 2025*
- Grade: CGPA 8.55/10 (First Class with Distinction) | Foundation in AI, data science and programming, a strong analytical base for data-driven threat detection and security analytics.

KEY PROJECTS

VASTA — Vulnerability Assessment & Security Testing Automation *Jun 2026 – Aug 2026*
MSc Dissertation Project, Coventry University | *github.com/ParimiSaketh/VASTA*
- Built a fully custom Python vulnerability-assessment pipeline covering the recon and discovery phases of a web pen test (subdomain enumeration, live-host detection, endpoint, sensitive-file and directory discovery) with no reliance on external scanners.
- Implemented active checks and pattern-based triage for XSS, SQLi, LFI, open redirect and CORS misconfigurations, validated against DVWA, Testfire and Metasploitable to reduce false positives.

Honeypot Threat Intelligence Platform | github.com/ParimiSaketh/HoneyPot
- Deployed a Cowrie SSH/Telnet honeypot in Docker to capture live attacker activity; built a Python pipeline enriching sessions with GeoIP, AbuseIPDB and VirusTotal IOC data and mapping attacker commands to 14+ MITRE ATT&CK techniques in a Plotly threat-intelligence report.

XAI-IDS — Explainable AI Network Intrusion Detection System | github.com/ParimiSaketh/XAI-IDS
- Built a full-stack network IDS (FastAPI, Random Forest) classifying benign traffic vs. six attack types, with SHAP explanations per alert, a live dashboard and automated mitigation advice to support analyst triage.

CodeSentry-Web | github.com/ParimiSaketh/codesentry-web
- AI-powered application security scanner: connects to a repository, generates a Security Score and auto-remediates vulnerabilities via pull request, shifting security left for AI-generated code.

CERTIFICATIONS

- Google Cybersecurity Professional Certificate (SIEM, incident response, threat detection)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Oracle Cloud Infrastructure 2023 Certified Architect Associate
- GitHub Foundations
- CompTIA Security+ — working towards
- CEH — working towards

INTERESTS & PASSIONS

- **Cybersecurity challenges:** CTFs and TryHackMe labs — working out why systems break and how to defend them.
- **Team sports:** cricket, volleyball and table tennis — building teamwork and quick decision-making.
- **Dance:** a creative outlet that builds discipline, confidence and performing under pressure.