RAHMATH B N

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PROFESSIONAL SUMMARY

Cybersecurity-focused MSc Computer Science student with hands-on experience in security testing, 5G network security, cyber forensics and technology projects. Currently developing a 5G Core Network security testing framework using API and protocol-based fuzzing across SBI/HTTP2, NGAP/SCTP and PFCP/UDP interfaces. Skilled in problem-solving, communication, presentation, mentoring and teamwork, with strong interest in technology consulting and cybersecurity.

SKILLS

Cybersecurity: Security Testing, Network Security, Web Application Security, Cyber Forensics, API Security, Vulnerability Analysis, Fuzzing

5G & Network Protocols: 5G Core Network, Service-Based Architecture, SBI, HTTP/2, NGAP, SCTP, PFCP, UDP

Security Technologies: Penetration Testing, Encryption, Biometric Authentication, Secure File Management, Cloud Security

Professional: Problem Solving, Analytical Thinking, Team Collaboration, Communication, Presentation, Mentoring

EXPERIENCE

Cybersecurity Intern | Kerala Police Cyberdome 24 Jun 2026 – 02 Jul 2026
Kerala, India

- Gained hands-on exposure to real-world cybersecurity cases, security analysis and cyber investigation practices in a professional law-enforcement environment.
- Worked with cybersecurity tools and methodologies to understand practical security threats, incident analysis and cyber attack scenarios.
- Applied academic knowledge of cybersecurity and cyber forensics to practical security situations and strengthened real-world problem-solving skills.

Cybersecurity Intern | Prodigy InfoTech Apr 2026 – May 2026
Trivandrum, Kerala

- Gained practical exposure to cybersecurity assessment, vulnerability analysis and security methodologies through project-based work.
- Applied cybersecurity knowledge and tools to practical security scenarios, strengthening hands-on understanding of cybersecurity practices.

Cybersecurity Intern | RISS Technologies Feb 2025 – Mar 2025
Kozhikode, Kerala

- Developed a fingerprint-based encryption web application for secure file storage, integrating biometric authentication with remote backup and cloud security capabilities.
- Implemented biometric authentication and encryption to strengthen data protection and secure access.

PROJECTS

API and Protocol Based Fuzzer in 5G Networks Ongoing
Security Testing Framework for 5G Core Network Interfaces

- Developing a security testing framework for 5G Core Network interfaces (SBI/HTTP2, NGAP/SCTP, PFCP/UDP) with a modular architecture for test orchestration, attack generation and delivery.
- Generated 500+ malformed message variants using schema-aware mutation, implemented protocol-specific parsing and attack delivery, and automated payload/response logging for reproducible security findings.
- Currently extending the framework toward stateful, session-aware fuzzing for authenticated 5G control-plane sessions.

Digi-Safe Jul 2026 – Present
Digital Safety & Cyber Awareness Platform, Digital University Kerala

- Contributing across development, content creation, presentations, mentoring and cybersecurity activities as an all-round team member.
- Researching and communicating cybersecurity concepts, cyber attacks and threats through accessible learning resources and practical digital safety awareness content, collaborating closely with the team.

Digital Bystander Aug 2025 – Present
Academic & Social Entrepreneurship Project

- Working on a social-impact initiative focused on digitally empowering elderly individuals and improving their confidence in using digital technologies.
- Conducted field visits to old-age homes and senior citizen councils; mapped elderly users' challenges in digital literacy, health, communication and emergency support, and contributed to business-model and startup planning.

EDUCATION

MSc Computer Science — Specialization in Cyber Security 2025 – 2027
Kerala University of Digital Sciences, Innovation and Technology *CGPA: 8.25/10 Yr:1*

BSc Cyber Forensics — Cyber Security 2022 – 2025
Mahatma Gandhi University CGPA: 8.83/10

Class XII: 95.9% | Class X: 99.16%

CERTIFICATIONS

Foundations of Cybersecurity (Google) | 5G for Everyone (Qualcomm/Coursera) | Cybersecurity Internship – Prodigy InfoTech | Cybersecurity Internship – RISS Technologies | Cybersecurity Internship – Kerala Police Cyberdome