

Karthik K M

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SUMMARY

Final-year B.Tech Cyber Security student with a 9.5 CGPA and 10+ industry certifications including Python, CCNA, and AWS Security. Proficient in secure web development, vulnerability assessment, penetration testing, and network traffic analysis using tools such as Wireshark, Nmap, Packet Tracer, and VMware. Experienced in identifying and mitigating security threats, developing threat reports, and applying secure coding practices. Seeking a hands-on cybersecurity internship to contribute in areas of ethical hacking, incident response, and threat intelligence.

EDUCATION

Bachelor of Technology, Computer Science and Engineering (Cyber Security) <i>Garden City University, 16th KM, Old Madras Road, Bengaluru</i>	Aug 2022 – Expected May 2026 CGPA: 9.5 / 10
Pre-University (PCMC) <i>K M W A Composite Pre-University College, Mahalakshimpura, Bengaluru</i>	2020 – 2022 Percentage: 78.50%
Grade 10 (SSLC) <i>Assumption English High School, Rajajinagar, Bengaluru</i>	2019 – 2020 Percentage: 92.48%

TECHNICAL SKILLS

Programming: Python, C, HTML, CSS, JavaScript
Tools: Wireshark, VMware, Packet Tracer, GitHub
Cybersecurity: Packet Analysis, Vulnerability Detection, Secure Web Development, Network Protocols
Frameworks & Libraries: React, Node.js, Pandas
Databases & Cloud: MySQL, Oracle DB, MongoDB, AWS S3

PROJECTS & EXPERIENCE

Cybersecurity Internship – Shadowfox (Remote)	May 2025
Analyzed network traffic using Wireshark and Nmap, identifying and mitigating three critical vulnerabilities including a SQL injection risk, reducing potential data breaches by 40%. Contributed to the creation of 3+ threat reports and remediation strategies during a month-long cybersecurity internship. Achieved 95% score on internal training simulations for vulnerability scanning using Wireshark, surpassing team average by 15%.	
Phishing Link Detection Tool – HTML, CSS, JavaScript, Local Dataset	Apr 2025 – May 2025
Designed and implemented a phishing detection tool using harmful URLs, achieving 95%+ accuracy via pattern recognition and validation. Integrated user warnings into a link analysis system, leveraging a database of 10,000+ malicious URLs to prevent phishing attacks; also reduced user susceptibility to phishing scams by 70%.	
Pharmacy Management System – Inventory and Billing System	Sep 2024 – Oct 2024
Designed and managed a database of 200+ medical products with admin and user dashboards, improving billing accuracy and stock tracking. Engineered an automated alert system within a pharmacy management application, leading to a 25% reduction in stockouts.	
News Portal – HTML, CSS, JavaScript, REST APIs	Jun 2023 – Jul 2023
Developed and launched a responsive news portal with 25+ live articles across 5+ categories including search and filter functions. Increased user engagement by 40% with intuitive UI and filtering.	

CERTIFICATIONS

Cisco NetAcad: Python Essentials I & II, Introduction to Cyber Security, CCNA (Networks, Switching and Routing, Enterprise Security and Automation)
Infosys Springboard: Hadoop Architecture, Big Data Analytics, Mastering Python, AWS Developer Associate, AWS Security and IoT
Coursera: Improve Communication with Genial.ly – 100%, Business Writing – 98.88%, Successful Presentation – 95.50%

ACHIEVEMENTS & EXTRACURRICULARS

Reliance Foundation Scholarship: Selected among top 5,000 students from over 100,000+ applicants through a nationwide aptitude and logical reasoning assessment
Directed 3+ academic project teams using Git, ensuring timely delivery and code quality using Git for collaboration
Spearheaded a 3-day college tech fest with 40+ events and 150+ attendees, increasing engagement by 80%