

Rakesh M H

Bengaluru, Karnataka

☎ 8073270911 | ✉ rakeshmf13@gmail.com | 🌐 Rakesh-m-h | 📱 RakeshMH2003 | 🌐 Portfolio

SUMMARY

Motivated Computer Science and Engineering student specializing in Cyber Security, aspiring to work as a Security Analyst, with a strong interest in ethical hacking and application security. Eager to apply technical skills to real-world security challenges and contribute to building resilient, impactful technological solutions..

EDUCATION

Presidency University

B.Tech in CSE (Cyber Security), CGPA: 7.10

Bangalore, Karnataka

Aug. 2023 – July 2027

Siddaganga PU College

PUC, Percentage: 79.67

Davanagere, Karnataka

July 2020 – May 2022

Sadhana Eng Med High School Holalu

X, Percentage: 81.12

Vijayanagara, Karnataka

June 2019 – Mar 2020

PROJECTS

QuantumVault – Secure Cryptographic Data Sharing | *Python, Flask, PostgreSQL, HTML, CSS, JavaScript*

- Developed a secure web application for encrypted text and file sharing using Fernet cryptography.
- Implemented user authentication, encrypted data storage, and QRC Code-based secure retrieval for controlled decryption.
- Designed a responsive Glassmorphism interface using HTML, CSS, and JavaScript for an intuitive user experience
- Implemented secure file upload/download with role-based access control and end-to-end encrypted data management for authorized users.

DriveEase – Premium Car Rental Platform | *Node.js – Express.js, PostgreSQL, HTML, CSS, JavaScript, Bootstrap*

- Developed a full-stack car rental platform with dedicated Customer, Vendor, and Admin portals.
- Implemented vehicle listings, real-time booking, secure authentication, and document uploads
- Integrated PostgreSQL for persistent data storage and Multer for secure file uploads.
- Built an admin dashboard for user verification, analytics, and booking management.

Web Vulnerability Dashboard | *React, Flask, Python, SQLite*

- Built a full-stack web security scanner performing 6 automated vulnerability checks (XSS, SQL injection, SSL/TLS, security headers, sensitive paths, cookie security) on target URLs
- Designed a 0–100 risk-scoring algorithm based on OWASP severity weighting to rank findings by Critical/High/Medium/Low
- Built an interactive React dashboard with charts, scan history, and step-by-step remediation guidance for each finding
- Implemented a Flask REST API with SQLite storage to persist scan results and history

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS

Frameworks: React, Node.js

Developer Tools: Git, Docker, VS Code, PyCharm

Operating Systems: Windows, Linux (Kali Linux)

CERTIFICATIONS & ACHIEVEMENTS

Cybersecurity Professional Certificate – Google (2026)

Certified Ethical Hacking & Penetration Testing – Cappriciosec University

Web Technology Internship – AICTE + SkillCraft Technology

Basics of C Programming – BALC

Advent of Cyber 2025 – TryHackMe

Adobe India Hackathon — Participated in Round 1