

Alwin George

Linkedin: <https://www.linkedin.com/in/alwin-george-083231254/>
Github: <https://github.com/g-eorgealwin>

Email: alwingeorge.main@gmail.com
Mobile: +91-9778377182

SUMMARY

Dedicated Computer Science student (B.Tech CSE, 2026) with a strong foundation in cybersecurity, network security, and secure coding practices. Experienced in designing and developing secure applications using design patterns (Singleton, Strategy, Factory) to enhance scalability and robustness. Eager to leverage hands-on experience in vulnerability assessment and threat analysis in Cyber Security

SKILLS

- **Cybersecurity Skills:** Networking Fundamentals, Threat Analysis, Operating Systems, Vulnerability Assessment
- **Tools:** Wireshark, Nmap, Burp Suite, Metasploit
- **Operating Systems:** Linux (Ubuntu, Kali Linux), Windows (10, 11)
- **Soft Skills:** Problem-Solving Skills, Team Collaboration

INTERNSHIP

Cybersecurity

March 2024

- **CipherSchools, Virtual**
During my internship at CipherSchools, I had the opportunity to deepen my understanding of network security through hands-on experience. I was responsible for developing an Advanced Firewall Application, which significantly improved my skills in packet filtering, security protocols, and the implementation of design patterns. I applied Singleton, Strategy, and Factory design patterns to enhance software scalability and maintainability, ensuring the firewall's efficiency in filtering network packets based on IP address, port number, and protocol type.
Tech – python, Flask

PROJECTS

- **Advanced Firewall Application:** 1 Month
Designed and developed an Advanced Firewall Application that allows network security through filtering packets by IP address, port, and protocol type. The application employs software design patterns like Singleton, Strategy, and Factory, ensuring modularity, scalability, and efficiency
Tech: Python, Flask, Html, CSS
- **Scientific Calculator Using Python:** 1 Month
Developed a Scientific Calculator that provides a user-friendly interface for performing basic arithmetic calculations, square roots, exponentiation, trigonometric operations, and unit conversions (radian-degree conversion). The program also includes a loop feature that allows repeated operations until the user decides to exit.
Tech: Python

CERTIFICATES

- IBM Cybersecurity Analyst 4 Month
- Cybersecurity 6 Weeks

ACHIEVEMENTS

- **Participated in Hackathon:** 2023- 2024
Among 2000+ participants and earned certificate
- **Attained Webinar by Red Team Academy:** 2023-2024
Among 500+ Participants
- **Attended Webinar by Offenso Academy:** 2023-2024
Among 150+ participants and 3 highly qualified trainers

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 6.49 August 2022 – June 2026
- **KRGPM Higher Secondary School** Odanavattom, Kerala
Higher Secondary; Percentage: 76% April 2020 - March 2022
- **Carmel Residential Senior Secondary School** Kottarakara, Kerala
High School; Percentage: 69% April 2018 - March 2020