# Prajwal K R

Cybersecurity Enthusiast — Full Stack Developer — Blockchain Developer

Email: prajwalkr3105@gmail.com — Phone: 9590861058

GitHub: github.com/EDITH-KRP — LinkedIn: linkedin.com/in/prajwal-kr-3a96a9212

## Skills

- **Languages:** Python, Java, C, HTML, CSS, JavaScript, Solidity.
- **Frameworks/Tools:** Flask, FastAPI, Git, AWS, Filebase, Metasploit, Wireshark, Burp Suite, Kali Linux, Visual Studio Code.
- **DevSecOps Tools:** GitHub Actions, Docker, Jenkins.
- **Security Tools:** Nessus, Nmap, John the Ripper, OWASP ZAP.
- **Soft Skills:** Conceptualized and built a secure, decentralized application utilizing blockchain technology, enabling tamper-proof data storage and access control for 50+ users, enhancing data integrity by 75% and reducing vulnerabilities.

## Core Competencies

Penetration Testing, OWASP Top 10, Flask, FastAPI, JWT Authentication, Blockchain Development, AES/RSA Encryption, Filebase IPFS, Threat Intelligence, Incident Response, Smart Contract Auditing, Web Application Security, Git, AWS, Vulnerability Management, Network, Security SIEM Tools, CVE Identification, Static Code Analysis, Secure SDLC, Threat Hunting .

## Work Experience

**Cybersecurity Intern** — Teachnook                                        January 2023 – February 2023

- Simulated 50+ advanced ethical hacking scenarios using Kali Linux and Metasploit, identifying real-time vulnerabilities in client systems.
- Detected and documented OWASP Top 10 vulnerabilities in 10+ web applications, leading to a 30% reduction in potential attack vectors.
- Executed end-to-end penetration tests and crafted incident response strategies, enhancing threat preparedness by 35%.

## Projects

**PII-Authenticator — Blockchain ID Authentication System**

*Technologies: HTML, CSS, JavaScript, Solidity, Flask, Ethereum, AES, RSA, Filebase, Python*

- Engineered a dual-layer encryption system using AES and RSA, increasing data security by over 99%.
- Developed and deployed Ethereum smart contracts using Solidity for secure token validation, achieving 99.99% accuracy.
- Integrated Filebase for decentralized encrypted storage, improving data availability by 75% and reducing storage costs by 30%.
- Reduced unauthorized access incidents by 95% and decreased authentication retrieval time by 40% through enhanced security protocols.

**Internship Management Portal — Full Stack Development**

*Technologies: HTML, CSS, JavaScript, FastAPI, MongoDB*

- Engineered a secure full-stack internship application platform, serving over 100 students and handling 500+ applications.

- Designed and implemented RESTful APIs (supporting 500+ CRUD operations) using FastAPI, JWT authentication, and MongoDB, enhancing platform efficiency and security by 40%.

**Hostel Website — Live Website Project**
*Technologies: HTML, CSS, JavaScript, Bootstrap*

- Designed and launched a fully responsive, SEO-optimized website for a charitable hostel, increasing web traffic by 45%.
- Ensured 95% cross-browser compatibility across Chrome, Firefox, Safari, and Edge, improving accessibility for 1000+ users.
- Optimized loading speed by 25%, improving user experience and reducing bounce rates by 15%.
- Integrated Google Maps and modular content sections, improving site usability and increasing session duration by 35%.

## Education

**Bachelor of Engineering in Computer Science**

Garden City University, Bangalore                                   *November 2022 – July 2026*

## Certifications

- **Prompt Engineering Specialization**
  *OpenAI, Issued January 2025*
- **Introduction to Cybersecurity**
  *Cisco Networking Academy, Issued August 2023*
- **NDG Linux Unhatched**
  *Cisco Networking Academy, Issued July 2023*
- **Cisco Certified Network Associate (CCNA)**
  *Cisco Networking Academy, Issued October 2024*

## Achievements

- Developed a detailed project plan encompassing resource allocation, timeline, and risk assessment for the Karnataka State Council for Science and Technology funded initiative; plan was completed within 2 weeks.
- Secured a Top 5 position out of 250+ teams at Innovonix Hackathon 2025 by developing a blockchain-based identity verification solution.
- Submitted a curated selection of 5 high-resolution photographs which were judged on composition, lighting, and storytelling, earning 3rd Prize in the National Photography Contest (2022).