KRUTHIK REDDY J

ASPIRING CYBERSECURITY ENGINEER & ENTHUSIAST

CONTACT

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PROFILE SUMMARY

To leverage my expertise in cybersecurity, secure software engineering, and cloud development to create innovative, secure, and scalable applications in the tech industry, with a focus on cloud platforms and cryptography.

CERTIFICATIONS

- Ethical Hacking Essentials (EHE)
- Introduction to CISSP: Security Assessment & Operations
- Digital Forensics for Pentesters – Hands-On Learning
- **Upcoming** – Certified Ethical Hacker (CEH) – June 2025

TECHNICAL SKILLS

- **Languages**:
  Python, C, C++, SQL, Bash
- **Developer Tools**:
  VS Code, Android Studio, GitLab, Figma, JIRA, Wireshark, Metasploit, Nmap
- **Frameworks & Technologies**:
  Linux, GitHub, Git, Kali Linux, Parrot OS, Splunk, Tor Network, Shodan

SOFT SKILLS

- Leadership & Team Management
- Problem Solving
- Communication Skills
- Adaptability & Learning Agility
- Analytical Thinking

EDUCATION

Alliance University
(B.Tech in Computer Science and Engineering in CS)
📍 Bangalore, Karnataka | 📅 Sep 2022 – July 2026   **CGPA**: 8.00
Sri Chaitanya PU College (*Pre-University (PCMC)*)
📍 Bangalore, Karnataka | 📅 March 2022   **CGPA**: 5.56
Sri Chaitanya School (*State Board*)
📍 Venkatagirikota, Andhra Pradesh | 📅 March 2020   **CGPA**: 8.82

PROJECTS

🛰️ **Drone Control via RF Signal Interception (Ongoing)**
📅 Aug 2024 – Present
- Capturing drone RF signals using SDR tools to analyse communication protocols and intercept control signals.
- Investigating methods to alter, delete, or damage the drone's OS by exploiting vulnerabilities in RF-based communication systems.

🛡️ **Malicious URL Detection using Machine Learning**
📅 Jan 2024 – Dec 2024
- Built a high-accuracy URL classification system using LightGBM, achieving 96.6% accuracy on a 651K+ URL dataset.
- Evaluated models using AUC-ROC (0.97) and F1-score (94.1%), outperforming traditional classifiers like SVM and Logistic Regression.

🎮 **Online Gaming Website**   📅 Jan 2025 – May 2025
- Developed an outline/made a requirement analysis for secure multiplayer gaming platform using AWS, NodeJS, and React with Agile and DevOps methodologies.
- Integrated CI/CD pipelines with GitHub Actions and implemented threat modelling for secure feature deployment.

INTERNSHIPS

Forage - *Cybersecurity Analyst Job Simulation*
📍 Bangalore, Karnataka | 📅 Jan 2025 – Feb 2025
- Simulated real-world cybersecurity tasks including risk assessment, threat identification, and reporting.

Prodigy InfoTech - *Cybersecurity Intern*
📍 Bangalore, Karnataka | 📅 Sep 2024 – Oct 2024
- Completed hands-on cybersecurity tasks:
  - Caesar Cipher Implementation
  - Image Encryption with Pixel Manipulation
  - Password Complexity Checker
  - Simple Keylogger
  - Network Packet Analyzer

EXTRACURRICULAR ACTIVITIES

Chief, Alliance University Volleyball Club 📍 Aug 2023 – Present
Member, AU Volleyball Team & Club 📍 Sep 2023 – Present