

Akhil Krishna Prasad Painati

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SUMMARY

Motivated cybersecurity student with a strong foundation in network security, access control, and incident response. Hands-on experience through academic projects in secure web applications, IoT monitoring systems, and ML-based spam detection. ISC2 CC certified, with working knowledge of Python, Linux, and security tools, seeking an internship or entry-level SOC role.

EDUCATION

B.Tech in Computer Science & Engineering (Cybersecurity), 2023 – 2027
Mohan Babu University
9.0 CGPA

SKILLS

Programming Languages

Python, Java, SQL

Web Technologies

HTML, CSS, JavaScript, PHP, MySQL

Cybersecurity

Network Security, OWASP Top 10

Tools

Kali Linux, Nmap, Burp Suite, Wireshark

Other Technical Foundations

Linux Basics, Machine Learning Basics

PROJECTS

IoT-Based Energy Monitoring and Power Control System

- Built a real-time energy monitoring and protection system with automatic overload and voltage-based cutoff.
- Simulated and validated safety logic using Proteus.
- Technologies: Embedded C, Microcontroller, ACS712, Voltage Sensor, Relays, Proteus

Campus Chat – College Communication Platform

- Developed a web-based communication platform for students and faculty with one-to-one, group, and section-wise chats.
- Implemented role-based access control (RBAC), secure authentication, and an anonymous mode with backend accountability.
- Integrated a complaint and reporting mechanism to allow authorized faculty to address misuse and maintain platform safety.
- Technologies & Tools: HTML, CSS, JavaScript, Bootstrap, PHP, MySQL

ML-Based Spam Detection System

- Developed a machine learning-based spam classification system using Multinomial Naive Bayes and TF-IDF vectorization.
- Integrated the model with a Flask backend and web-based interface for real-time message analysis.
- Technologies & Tools: Python, Flask, Machine Learning, NLP, Naive Bayes, TF-IDF.

CERTIFICATIONS

- ISC2 CC(Certified in Cybersecurity)
- CYSA+(In Progress)
- Google Cybersecurity (In Progress)