SHAIK RIYAZ

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Professional Summary

I am a results-oriented Cybersecurity Analyst with proven expertise in optimizing enterprise network infrastructures and quickly addressing security incidents. My advanced industry certifications support my ability to identify vulnerabilities and create robust defense mechanisms. I am committed to continuous professional growth for effective digital risk management and enhancing cybersecurity across organizations

Education

VIT Bhopal University   **2022-2026**
B.Tech in Cybersecurity and Digital Forensics   CGPA: 8.09

Projects

Steganography GUI   **May 2024**

- Engineered a robust Python-driven GUI solution leveraging Tkinter, Pillow, and NumPy to enable rapid, high-fidelity image steganography—streamlining encoding/decoding workflows for a 30% performance uplift on images up to 7MB. Spearheaded the delivery of an intuitive, enterprise-grade interface facilitating secure, frictionless data concealment and retrieval. Project GitHub Link

CIPHERFORGE GUI   **July 2025**

- Engineered an end-to-end Java solution orchestrating multi-cipher encryption and decryption, integrating dynamic cipher selection, automated key validation, and real-time cryptographic analytics. Optimized user engagement through advanced exception management and a seamless Java Swing interface, underpinned by the Java Cryptography Architecture. Project GitHub Link

Ransomware Traffic Classification Model   **August 2025**

- Architected a comprehensive Python-based analytics suite harnessing advanced machine learning algorithms (Random Forest, TensorFlow/Keras) to operationalization automated ETL workflows and deliver precision ransomware threat classification. Leveraged a robust technologies Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, NetworkX to enable dynamic data visualization and actionable network threat intelligence. Project GitHub Link

Technical Skills

Languages:	Python, Java, C++, SQL, HTML, CSS, JavaScript, Java Swing
Cybersecurity:	Kali Linux, Burp Suite, Nmap, Wireshark, CyberChef, OWASP, VPN, Cloudflare
Software & Full Stack:	React (basic), Node.js, REST APIs, Flask, Git, GitHub
Data & AI:	Pandas, NumPy, Matplotlib, NetworkX, Tkinter,Seaborn, Streamlit, Power BI,Tableau
Platforms:	AWS, Azure, Google Cloud
Core:	OOP, Problem Solving, Debugging, Collaboration, Communication

Certifications

- IBM Cyber Security Analyst 2025 ✳
- Oracle Java Foundations Certified Associate 2025 ✳
- CEH (in progress) ✴
- GUVI (in progress) ✴

Leadership & Achievements

- Participated in Smart India Hackathon 2024 developed a facial recognition-based attendance system prototype.
- Led school as Pupil Leader at St Anns School (2018-2019).