Shaheer Saud

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EDUCATION

Rutgers, the State University of New Jersey - New Brunswick	**May 2026**
B.S. in Computer Science, Minor in Data Science and Criminology	**3.7 GPA**

WORK EXPERIENCE

AT&T — Cyber Security Data Analytics Team   **Middletown, NJ**
Cyber AI Engineering Intern   *May 2025 – Present*

- Rebuilt the AT&T RAG LLM document pipeline with new data sources and automation, cutting retrieval time from weeks to seconds and improving IAM/PAM query accuracy by 23%
- Programmed a benchmarking tool to evaluate LLM configurations, reducing testing time by 78%, increasing model iteration speed, and enabling faster deployment of optimized models across use cases
- Tuned LLM performance by reengineering core prompts, chunking logic, and embedding strategies — increasing output reliability and optimizing token usage across AT&T's internal AI models

Colgate - Palmolive   **Piscataway, NJ**
Security Engineer Intern   *Feb 2024 - Present*

- Developed an AI-powered chatbot for advanced PAM queries, reducing a week-long support process to minutes and cutting help desk resolution time by 98% with instant, accurate answers
- Executed end-to-end log analysis with Splunk (SIEM), Okta (identity), and Tanium (endpoint) to uncover unauthorized access, anomalies, and misconfigurations — enhancing detection and response speed
- Automated migration of over 1,000 IT profiles using PowerShell, Python, and Colgate-Palmolive's API, cutting manual effort by 80% and securely transferring credentials and secrets at scale

Rutgers Office of Information Technology   **New Brunswick, NJ**
Information Technology Supervisor   *Apr 2023 - Present*

- Deployed a secure Python automation script with Selenium to streamline data aggregation across multiple platforms, reducing caller wait times by 86% and enhancing data integrity
- Leveraged expertise in OSI Layer 1 to 7 configurations, including secure IP address management, TCP/IP protocols, and DNS security, to resolve network challenges and ensure uninterrupted, secure data flow
- Led and trained 200 consultants, resolving over 300 IT tickets via ServiceNow, focusing on mitigating security breaches and preventing network interruptions, significantly improving incident response times

PROJECTS

Smart Home Honeypot Dashboard | *Python, Flask, SQLite, WebSockets, GeoIP, Telnet, Jinja2*
- Built a full-stack IoT honeypot simulating a smart home, using fake login portals, Telnet exploits, and firmware traps to capture attacker behavior — visualized threats in real time via a custom dashboard

Sensitive Data Exposure Crawler | *Python, FastAPI, Asyncio, NLP, Chart.js, Uvicorn, WebSockets*
- Created a real-time web crawler that scans public URLs for exposed personal data using NLP filters and visualizes scan results through a live dashboard with 100+ concurrent scanning workers

Brute-Force Attack Simulation System | *Python, Flask, Asyncio, Web Security*
- Coded an asynchronous brute-force testing framework with concurrency limits, randomized delays, and CAPTCHA/MFA resistance to evaluate and document modern authentication defenses

SKILLS & ACTIVITIES

Languages: Python, Java, JavaScript, HTML/CSS, C/C++, PowerShell, SQL
Certifications: Cisco Intro to Cybersecurity, TryHackMe Jr. Pen Tester, Pursing CCNA
Involvement: MSA Treasurer, HackRU (2023/2024/2025), HackTheBox, TryHackMe