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

WORK EXPERIENCE

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

- Developed an AI chatbot for advanced Privileged Access Management (PAM) queries, improving support and reducing help desk resolution time by 70% through instant, accurate answers
- Utilized Splunk, Okta, and Tanium for seamless log analysis across multiple systems, enhancing security monitoring and enabling proactive threat detection, improving incident response
- Implemented and automated the migration of over 1,000 IT profiles to a new platform using PowerShell, Python and the Colgate-Palmolive API, ensuring secure handling of credentials and secrets

Bergen's Promise   **Hackensack, NJ**
Software Development Intern   *June 2024 - Present*

- Automated the onboarding process with Python, PowerShell, Selenium, React and admin tools like Google, Active Directory, and Duo, achieving a 91% time reduction and compliance with government mandates
- Developed a robust cybersecurity application with Flask and Python, leveraging MD5 hashing to enhance security posture and reduce government information breaches by 30%
- Enhanced a government-mandated PowerApps solution managing thousands of youth appointments, using SharePoint and Power BI for secure, dynamic data management, supporting hundreds daily

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

- Developed a secure Python automation script with Selenium to streamline data aggregation across multiple platforms, reducing caller wait times by 50% 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

Dictionary Attack | *Python, Flask, MD5 Hashing, HashMaps, Heroku, Cybersecurity Hygiene*
- Developed a full-stack password security tool using Flask and Python with MD5 hashing, deployed on Heroku, and utilized by 200+ employees, resulting in a 30% reduction in password-related vulnerability

Ransomware Tool | *Java, HashMaps, Routing Tables, Subnetting and IP Address Allocation*
- Created a ransomware tool for automated file backup, encryption, and decryption using Python and AES, ensuring data integrity and security with robust handling and scheduling to enhance protection and recovery

Real-Time Hand Gesture Recognition | *Python, OpenCV, Google's Mediapipe, Computer Vision*
- Established an AI gesture recognition tool, using Google's Mediapipe for precise finger movement tracking, designed for security applications by enabling gesture-based authentication in secure access systems

SKILLS & ACTIVITIES

Programming Languages: Java, JavaScript, Python, HTML/CSS, C/C++/C#, PowerShell, JavaScript, R
Tools and Software: AWS, Docker, Git, JIRA, Kubernetes, MongoDB, Slack, Unity
Activities: HackRU 2024/2023, NJ Social Determinants of Health Hackathon 2023, HackTheBox