

# Shaheer Saud

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## EDUCATION

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

May 2026

## WORK EXPERIENCE

### Bergen's Promise

*Software Development Intern*

Hackensack, NJ

June 2024 - Present

- Developed a comprehensive cybersecurity full-stack application using Flask and Python to detect password vulnerabilities and secure government information, resulting in a 30% reduction in security breaches
- Automated and streamlined multiple processes using Power BI, Power Automate, Power Flows, and Power Apps to enhance efficiency and ensure compliance with government-mandated recordings
- Collaborated with the security department to implement new security procedures based on identified vulnerabilities, significantly improving the organization's cybersecurity posture

### Colgate - Palmolive

*Security Engineer Intern*

Piscataway, NJ

Feb 2024 - Present

- Implemented advanced Privileged Access Management (PAM) solutions with Okta and Tanium, leading to a 40% reduction in data breaches, bolstering the security posture and safeguarding sensitive information
- Utilized Splunk for seamless log analysis across multiple systems, enhancing security monitoring and enabling proactive threat detection, improving incident response
- Migrated 1000+ IT profiles to a new platform with PowerShell and Colgate-Palmolive API, and crafted a Standard Operating Procedure Manual for 1000+ employees, streamlining and fostering seamless adoption

### Rutgers Office of Information Technology

*Information Technology Supervisor*

New Brunswick, NJ

Apr 2023 - Present

- Utilized knowledge of Layer 1 to Layer 7 configurations, including cabling, IP address, NetMask, TCP/IP, DHCP, DNS, to resolve network challenges, ensuring continuous connectivity and smooth data flow
- Supervised and trained over 200 consultants while resolving over 300 IT tickets via ServiceNow, promptly addressing critical issues such as security breaches and network interruptions to enhance resolution speed
- Developed a robust Python automation script with Selenium that streamlined client data aggregation process from diverse platforms, resulting in a 50% reduction in caller wait 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

### 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

### Network Router Simulation | Java, HashMaps, Routing Tables, Subnetting and IP Address Allocation

- Engineered a Java-based network router simulation leveraging HashMaps to streamline data routing and IP address management, incorporating sophisticated subnetting and allocation strategies

## SKILLS & ACTIVITIES

**Programming Languages:** Java, Python, HTML/CSS, C/C++/C#, PowerShell, JavaScript, R

**Activities:** HackRU 2024/2023, NJ Social Determinants of Health Hackathon 2023, HackTheBox

**Certifications:** Pursuing Microsoft Azure Fundamentals, Cisco Certified Network Associate