RIFAIE WILDANI NAZORI

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Computer Engineering student at Penn State with a minor in Cybersecurity, passionate about cloud infrastructure and applied security, with hands-on experience building full-stack systems, system-level software, and security-focused projects. Experienced in translating real-world workflows into reliable technical solutions and learning quickly in production environments.

TECHNICAL PROFICIENCY

Technical Skills: Python, C, C++, Bash, JavaScript, HTML, Node.js, Verilog, SQL, Object-Oriented Programming, System Programming, Debugging

Cloud & DevOps: AWS, Firebase, Cloud Computing, API Integration, Computer Networks, Docker, Kubernetes, Terraform, *(working knowledge)* Supabase, Firebase, Vercel *(project-based)*

Security & Systems: Linux (Ubuntu), Operating Systems, Computer Architecture, Memory Management, Virtual Machines (VMware), Computer Networks

Tools & Automation: Git, GitHub, Shell Scripting, Debugging, Monitoring, Terminal-based Tools

Language Proficiency: English, Malay

WORK EXPERIENCE

Nabo Furniture, Sentul   *Sentul, Kuala Lumpur*
AI Integrator & Optimization Intern   May 2025 – July 2025
- Proactively identified process inefficiencies in a fast-paced startup setting and collaborated with non-technical teams to map internal workflows.
- Developed a systems-thinking mindset by working across logistics, sales, and customer support to deliver practical tech-driven solutions.
- Supported internal knowledge structuring and notification systems by leveraging no-code integrations and API workflows.

Pollock Dining, Penn State   University Park, Pennsylvania
Senior Culinary Assistant (Current Role)   Oct 2024 – Present
- Trained two new employees monthly while supervising and coordinating tasks for culinary assistants.
- Managed kitchen operations, preparing meals for a fast paced and high volume environment, 1,000+ customers daily while balancing a 18-hour part-time schedule with studies.

Culinary Assistant (Promoted from CSR)   Jan 2024 – Oct 2024
- Assisted in mass food preparation and cooking, specializing in fast-paced Asian cuisine service.
- Maintained high food safety and hygiene standards in a high-demand kitchen environment.

Customer Service Representatives (CSR)   Jan 2023 – Jan 2024
- Selected as a dining hall representative, managing customer interactions and problem resolution.
- Developed strong teamwork and communication skills while working with a diverse team of students and full-time staff from various backgrounds.

Shell Petrol Station, Kuantan   Kuantan, Pahang
Cashier and Sales Assistant   March– May 2021
- Enhanced teamwork and communication skills through collaborative work with colleagues.
- Encouraged customers to sign up for BonusLink and ranked first to get the highest signing up for bonuslink membership of the month.

PROJECTS EXPERIENCE

HRMS System — Full-Stack Web Application
Next.js, Supabase, PostgreSQL, Tailwind CSS

- Designed and built a comprehensive Human Resource Management System for small to medium-sized organizations.
- Implemented attendance tracking, leave management, employee records, role-based access, and dashboards.
- Developed dual interfaces for HR/admin and employees with secure authentication and data handling.

Secure Communication Project

Python, Cryptography, Linux, secure communication, authentication protocols
- Implemented secure communication using hybrid encryption (RSA + ChaCha20).
- Built SRP-based password authentication and AES-CCM encrypted file storage.
- Conducted frequency analysis and cipher decryption exercises as part of secure systems coursework.

x86 Buffer Overflow & Exploit Development

C, Linux, GDB, Systems security, memory exploitation, debugging
- Conducted hands-on security research on memory corruption vulnerabilities.
- Exploited buffer overflows to bypass authentication, hijack function pointers, and manipulate control flow.

Integrity Access Control System

C, Linux, Operating systems security, access control, low-level programming
- Implemented a reference monitor enforcing mandatory access control policies.
- Explored Biba Integrity Policy, Windows Mandatory Integrity Control (MIC), and LOMAC.

EDUCATION

The Pennsylvania State University   University Park, PA
Bachelor of Science Computer Engineering   Intended Graduation: May 2026
Minor Cybersecurity   Cumulative GPA: 3.56

EXTRA-CURRICULAR ACTIVITIES

- **Moderator and Volunteer at Muktamar 2024, Hilton Phoenix, Arizona**
  Volunteered with sales for Durioo and moderated three event sessions, ensuring smooth coordination and communication throughout the event.
- **Participant and Collaborator at HackPSU, Penn State University**
  Participated in HackPSU hackathon, collaborating with a team to create innovative solutions, including an interactive app designed to help students find their passion and identify potential career paths, and presented project ideas effectively.

INTEREST

Interests: Technology trends, environmental sustainability, exploring diverse cuisines, marketing, quality management systems, networking, outdoor activities, football, basketball, swimming, travel, hiking, chess.

REFERENCES

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