Basil Ali Alaql

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Nationality: Saudi Arabian

Career Objective

Aspiring computer engineer in the final semester at King Saud University, with a strong foundation in programming and network security. Skilled in Java, MATLAB, and Visual Studio, with hands-on experience in developing automated, secure authentication systems. Seeking an opportunity to contribute to innovative projects and continue learning in a dynamic technical environment.

Education

Degree: Bachelor's in Computer Engineering

University: King Saud University

Graduation Year: Expected March 2025

GPA: 4.35 / 5.0

Work Experience

Job Title: Computer Engineer Trainee

Company: Saudi Electronic Trading & Contracting Limited Co. (SETRA)

Duration: June 13, 2021 – August 13, 2021

Skills

Programming Languages: Java

Software Tools: MATLAB, Visual Studio

Languages: Arabic (native), English (fluent)

Soft Skills: Teamwork, Communication, Problem-solving

Projects

VoucherGuard: Streamlined and Secure Voucher-Based Authentication Portal

Description: Developed an automated, customizable voucher-based authentication system aimed at enhancing network security in high-demand environments, such as hotels. The system combines traditional login methods with time-sensitive vouchers, improving both security and user experience. The project used OpenWrt firmware, OpenNDS, and a Python-based server for voucher generation and distribution, along with real-time traffic monitoring and bandwidth management through a captive portal.

Technologies Used: OpenWrt, OpenNDS, Python, Captive Portal, Real-time Traffic Monitoring, Bandwidth Management

Achievements: Successfully implemented a secure, automated authentication system that reduced administrative workload and provided flexibility for hotel administrators. Improved network security and optimized performance through real-time monitoring and bandwidth management.