Mohammed Shabbir Nalwala

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Leicester, England, United Kingdom | https://github.com/mohaammed17 | Portfolio Website

OBJECTIVE

A highly motivated and dedicated computer science student seeking to learn and leverage my education and technical skills to contribute to a dynamic and innovative organization.

EDUCATION

- Bachelor of Science in Computer Science (Hons), University of Leicester, Leicester, UK   2022-2025
    - College Scholarship Scheme award: *15% scholarship awarded on the basis of academic achievement.*
    - *Grade: First – Class in Year 1 and Year 2*

- Secondary School, Gems Millennium School Sharjah, UAE   2016-2022
    - Highest score of 92% in Information Practices subject in school.
    - Awarded for outstanding academic performance for securing first place in Information Practices in 2020-2021

SKILLS

- Strong knowledge of programming languages: Python, Java, HTML/CSS, JavaScript and C/C++
- Proficient in MySQL, SQLite and database management, Git
- Foundational skills in Web-Application Pen testing (Linux shell scripting, BurpSuite, OWASP ZAP)

EXPERIENCE

- Software Engineering Fellow | Headstarter AI, United States, Remote   Jul2024 – Present
    - Over the next several weeks, I'll be developing 5 cutting-edge AI applications, competing in high-energy weekly hackathons, and significantly boosting my portfolio. The highlight will be my final project, where I'll tackle a real-world challenge for an existing startup.

- Software Engineering Intern | VectorEdge, California, United States, Remote   Jun2024 – Present
    - Working on the C/C++ SDK for Data Classification for Linux environments as part of the VectorEdge Data Security Platform development team.

- RPA Developer-Intern | ABP Consultancy, London, United Kingdom, Remote   Sept2023 – Nov2023
    - Mastered RPA fundamentals and UiPath tools for process automation and data manipulation (Excel, PDF, email).
    - Automated business processes and analyzed them for efficient automation solutions, implementing REFramework.
    - Managed robotic processes using UiPath Orchestrator, generating performance reports.
    - Completed mock client projects and UiPath RPA Associate certification training.

- Security Consultant-Intern | Securelink, Dubai, United Arab Emirates, On-site   Jun2023-Sept2023
    - Set up Burp Suite, Metasploitable 2, and DVWA for testing.
    - Conducted brute force attacks and firewall analysis.
    - Identified vulnerabilities, hidden files, and directories.
    - Assessed account security and web infrastructure.
    - Tested XSS vulnerabilities with OWASP tools.
    - Collaborated on Risk Assessment Matrix Tool and documented requirements.

- Cybersecurity-Intern | Senselearner Technologies Pvt. Ltd., Remote   Jun2023-Jul2023
    - Week 1: Overview of cybersecurity frameworks, network security, and ethics.
    - Week 2: Network security: architecture, firewalls, IDS, network scanning, OSI model attack analysis.
    - Week 3: Web application security: vulnerabilities, secure coding, WAF implementation, TryHackMe labs (OWASP Top 10).
    - Week 4: Incident response, risk management, security governance, organized an online event, and documented the process.

PERSONAL PROJECTS

- Web app for IBM SkillsBuild| Java, Spring Boot, MVC, MySQL JDBC, RESTful API, Spring Security, Gradle, JSP   2024

As a part of my second-year project, the primary goal of this project was to create an interactive web application that integrates gamification elements to engage students and encourage consistent use of IBM SkillsBuild courses

- Warehouse Management System| Java, Spring Boot, Spring MVC   2023
  Employing Spring Boot and Spring MVC frameworks, enabling users to efficiently oversee product management. This system facilitates various functions including product listing, addition of warehouses, and product management. Utilized JSPs and forms for the frontend interface and implemented validators for enhanced functionality.

- PennyPal | HTML, CSS, JS, node.js   2023
  At **Capital one** hackathon we built a web application in order to build a solution to the living crisis.
  PennyPal's core feature is a user-friendly financial planning tool. Guiding users through a comprehensive questionnaire to understand their financial situation, subsequently generating a tailored financial plan that empowers them to take control of their financial destiny. Furthermore, PennyPal boasts a robust financial tracker. With insights on expenses, assets, income, and even taxes, users gain a holistic view of their financial landscape.

- Sales Analysis Program| Python, NumPy, Pandas, Matplotlib, GraphMaker, DataHandler,   2021
  Developed in Python, program to analyse sales performance of a market covering aspects like General Sale Performance, Category-wise Sale Performance, Customer-wise Sale Performance.

- Spam bot for WhatsApp | Python, Selenium   2020
  Designed to automate the process of sending messages to a specific contact or group on WhatsApp. It uses Selenium, a powerful web automation tool, to interact with the WhatsApp Web interface.

CERTIFICATIONS AND TRAININGS

- Web Development Fundamentals, IBM   Aug 2023
- Cybersecurity Fundamentals, IBM   Aug 2023
- AI Foundations, IBM   Aug 2023
- CC Course, ISC2   Aug 2023
- ComTIA Security+, Udemy   Mar 2023
- ComTIA Network+, Udemy   Feb 2023
- Advanced Java Programming, Aptech Computer Education   Sep 2022
- Artificial Intelligence Intro, IBM   Apr 2020