

Mohammed Shabbir Nalwala

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📍 Leicester, England, United Kingdom | 🌐 <https://github.com/mohaammed17>

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 SQL (MySQL, SQLite and database management), Git
- Foundational skills in Web-App Pen testing (Linux shell scripting, BurpSuite, OWASP ZAP, Kali Linux)

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 analysed 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 based on stakeholder inputs.
- 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-app security: vulnerabilities, secure coding, WAF implementation, TryHackMe labs (OWASP Top 10).
 - Week 4: Incident response, risk management, security governance, organized an 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

Using Spring Boot and Spring MVC, this system enables efficient product management, including listing, warehouse addition, and product oversight. It employs JSPs and forms for the frontend and incorporates 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 offers a user-friendly financial planning tool that generates tailored plans from a comprehensive questionnaire. It also includes a financial tracker for insights on expenses, assets, income, and taxes.

- **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