

# Mohammed Shabbir Nalwala

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

## 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: Year 1: *First-Class*  
Year 2: *First-Class*
- Secondary School, Gems Millennium School Sharjah, UAE 2016-2022
  - Graduated with 82% Grades with highest scores 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 including Python, Java, HTML/CSS, and JavaScript
- Proficient in MySQL and database management, Linux shell scripting
- Basic Foundational skills in Web-Application Pen testing
- Tools: Git, VS code, Bash, Eclipse IDE, IntelliJ IDEA, OWASP ZAP, BurpSuite
- Strong problem-solving skills and ability to work well in a team.
- Strong written and verbal communication skills

## EXPERIENCE

- 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
  - RPA Fundamentals: Developed a solid foundation in RPA by mastering concepts such as automation, variables, arguments, and selectors in UiPath.
  - Process Automation: Successfully automated various business processes, demonstrating proficiency in control flow and data manipulation techniques.
  - Data Integration: Expertise in automating data extraction and manipulation across multiple formats, including Excel, PDF, and email.
  - Business Analysis: Acquired skills in analysing and understanding business processes, enabling efficient automation solutions.
  - UiPath Orchestrator: Familiarity with using UiPath Orchestrator for managing and monitoring robotic processes.
  - ReFramework: Implemented the REFramework to create robust and maintainable automation solutions, adhering to industry best practices.
  - Reporting: Generated comprehensive reports to track the performance and efficiency of automated processes.
  - Mock Client Projects: Successfully completed mock client projects, applying acquired skills to real-world scenarios, and delivering efficient RPA solutions.
  - Successfully completed the UiPath RPA Associate certification training.
- Security Consultant-Intern | Securelink, Dubai, United Arab Emirates, On-site Jun2023-Sept2023
  - Set up Burp Suite and Metasploitable 2 for comprehensive testing.
  - Used DVWA to map the web application's structure via spidering.
  - Conducted brute force attacks with Burp Suite to find weak access points.
  - Analyzed web application firewalls using Wafwoof.
  - Identified potential vulnerabilities and hidden files/directories.
  - Assessed account security by enumerating usernames with tools like Zoom.
  - Explored web application infrastructure using LBD for load balancer scanning.
  - Tested for various XSS vulnerabilities with OWASP WebGoat and bWAPP.

- Employed DirBuster to find potential entry points in a broken WordPress installation.
- Collaborated with stakeholders to understand and define the Risk Assessment Matrix Tool's objectives and scope.
- Documented functional and non-functional tool requirements based on stakeholder inputs.
- Captured qualitative and quantitative analysis components, including functional and non-functional requirements.

- **Cybersecurity-Intern | Senselearner Technologies Pvt. Ltd., Remote** **Jun2023-Jul2023**
  - Week 1: Acquired an overview of cybersecurity, frameworks, network security, and ethical considerations.
  - Week 2: Delved into network security, learning about architecture, firewalls, intrusion detection systems, and network scanning. Conducted a comprehensive analysis of attacks on the OSI model, producing a report with real-world case studies.
  - Week 3: Focused on web application security, studying web vulnerabilities, secure coding practices, and web application firewall implementation. Solved labs on TryHackMe related to OWASP Top 10, preparing detailed write-ups for each.
  - Week 4: Explored incident response, risk management, security governance, and legal and ethical considerations in cybersecurity. Organized a successful online event, engaging the team in virtual activities and documenting the process in a comprehensive report.

## PERSONAL PROJECTS

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- **Warehouse Management System | Java, Spring Boot, Spring MVC** **2023**  
Created a Warehouse Management System 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**  
In a dynamic team of 4 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. We guide users through a comprehensive questionnaire to understand their unique 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**  
The WhatsApp Automation Bot is 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. The bot prompts the user to enter the recipient's name, the message to be sent, and the number of times the message should be sent.

## CERTIFICATIONS AND TRAININGS

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- 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

## AWARDS & HONOURS

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- Academic Excellence Award for securing 1<sup>st</sup> place in Informatics Practices (2020-2021), Associated with GEMS Education