

# Arshathul Mohamed Haq

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### Experience

07/2024 – **Programmer Analyst Trainee**, Cognizant Technology Solutions India Pvt. Ltd., Chennai, India.

01/2025  Role and Responsibilities:

- Designed and executed manual test cases for functional testing, utilizing Cypress automation for automation scripts.
- Managed JIRA cards for issue tracking and agile development workflows, integrating QTest with JIRA.
- Developed and maintained automation scripts using Cypress for efficient test management.

Tool - Functional and Automation Testing, Cucumber, Agile development, JIRA, Cypress, Tosca, MySQL, QTest

12/2023 – **Programmer Analyst Trainee - Intern**, Cognizant Technology Solutions India Pvt. Ltd., Chennai, India.

06/2024  Role and Responsibilities:

- Led a full-stack development project as part of an SDET internship, guiding the team for seamless execution while building a real-time retail management application using Java.
- Gained hands-on experience in functional testing and automation frameworks like TestNG, Selenium, and Cucumber, and automated a real-time web application while performing regression and smoke testing.

Tool - Core Java, Full-Stack Development, MySQL, Selenium

10/2023 – **Software Developer Intern**, Digitus Business Solutions Pvt Ltd, Bangalore, India.

11/2023  Role and Responsibilities:

- Developed the front-end using Vue and Vuetify, implemented user authentication with JWT and Spring Security, and managed local storage with session tokens.
- Built user management modules, managed entities with Spring Boot, and handled various cases of purchase order tracking in the supply chain management system.

Tool - Vue.js, Vuetify, Java Core, Spring, and Spring Boot

### Education

03/2025– **Master of Science (MSc) Cyber Security**

09/2026 Hochschule der Bayerischen Wirtschaft gGmbH (HDBW), Munich, Germany. (Ongoing)

06/2019– **Bachelor of Engineering (B.Eng.) Computer Science**

04/2023 Anna University, Chennai, India. (Graduate - CGPA: 8.38 / 10.0 )

**Bachelor Thesis:** AI-Enhanced Eye Tracking System for Tetraplegia Patients

- Developed a deep learning-based system to facilitate communication between tetraplegic patients and caregivers by capturing eye gaze movement.
- Led the project by collecting datasets, debugging, and optimizing code, with message transmission handled via Twilio services.

**Paper Publication:**

- 1. AI Enhanced Eye Tracking System For Tetraplegia Patients

**Mini Project:** NALA: The Virtual Voice Assistant using Python

- Developed a voice-controlled system using Python modules such as speech recognition, pyttsx3, webbrowser, and pyautogui for executing commands through voice recognition.
- Enable easy configuration with voice commands for tasks such as setting alarms, searching the Web, and checking the weather.

**IBM Project:** Vehicle Performance Analyzer using Machine Learning

- Developed a vehicle performance analyzer application using front-end technologies and machine learning on the IBM Cloud Platform as part of the IBM Project Paper. And using Random Forest Regressor algorithm to train the model, enabling the application to predict vehicle mileage.

- Github link : Vehicle Performance Analyzer

- 06/2017– **Higher Secondary School Certificate Examination**  
05/2019 *Central Board of Secondary Education, Delhi, India.* (Graduate).  
04/2007– **Secondary School Examination**  
05/2017 *Central Board of Secondary Education, Delhi, India.* (Graduate).

## Personal Projects and Participations

- GitHub /Arshathhaq  
04/2025 Simulating a virtual network using GNS3 with multi router configuration and following Hierarchical Network Model.  
03/2025 Clickjacking - Demonstration  
01/2025 Port-Scanner using python sockets.  
08/2023 CRUD: Employee Data Management using Spring Boot and Vue.  
07/2022 Bus Ticket Booking using Java servlet, JSP, JDBC and MySQL.

### Participations

- **MetaCTF** - *Monthly CTF Participant*
  - Participated in monthly Capture the Flag events with a focus on cryptography, web, OSINT, etc.
  - Solved security challenges under time constraints.
- **TryHackMe (THM)** – *Regular Participant* ( Profile - HMA.1002 )
  - Actively exploring topics across the Cyber Kill Chain, including reconnaissance, weaponization, delivery, exploitation, and privilege escalation.
  - Continuously developing skills in vulnerability scanning, enumeration, and practical exploitation using real-world tools.

## Technical Skills and Certifications

### Technical Skills

- Programming Languages: Python, Java, JavaScript
- CLI & Shell: CMD, Poweshell, Bash, Git-Bash
- Operating Systems: Windows, Linux
- Version Control: Git, Git Lab
- Software Development: Vue, Full Stack Development, Postman
- Networking and Security Tools: Wireshark, Burp Suite, Secure Software Development Lifecycle (SSDLC), GNS3, Cryptography, NMAP, Metasploit, Cyber-Security
- Automation Testing Tools: Selenium, Cucumber, Cypress
- Containers: Docker, VirtualBox

### Certifications

- GitHub:** Arshathhaq/Certificates
- Practical Ethical Hacking (PEH) (In Progress) - TCM Security Academy
  - Networking Devices and Initial Configuration - CISCO Networking Academy
  - Mastering AWS: Featuring IAM - Udemy
  - Networking Basics - CISCO Networking Academy
  - Blue Team Junior Analyst - Blue Team Security

## Languages

- English CEFR C1  
German CEFR A1

Native / Bilingual Proficiency  
Elementary Proficiency