

# Md Abu Nayeb Towki

| 84 Margery Park Road, E7 9LB, London |  
nybtwki98@gmail.com | +44 7447 484380 | github.com/nayebtowki | linkedin.com/in/nayebtowki

## SKILLS SUMMARY

- Proficient in the fundamental concepts and theories of Cybersecurity, demonstrating strong skills in **critical thinking, analysis, synthesis, and evaluation**. Experienced in designing and formulating effective Cybersecurity solutions, with a focus on selecting and applying relevant tools and techniques for real-world problem solving in Cyberspace.
- Developed web applications using **JavaScript, HTML, CSS, React.JS, Node.JS, MySQL, MongoDB, Bootstrap, GitHub** and can implement applications using **Java, Java Swing**, and **GUI**
- Proficient with **Agile (Scrum)** methodology. Also, have a solid knowledge of using **JIRA** for time tracking and team management.
- Learning precisely about **algorithm design, development, implementation, testing, and documentation**, improving my **problem-solving skills**
- Throughout my **Usability Engineering** project, developed high-fidelity **user interface (UI) prototypes** based on project requirements and user needs.
- **Quick learner** demonstrated through learning **SPSS, SQL, Data Analysis and Data Visualisation** to complete various projects in my Data and Information module.
- Gained deep knowledge about **Epic, User Stories**, and different **UML diagrams** from my Software Development and Management module.

## PROJECTS

### Portfolio Website (Personal Project)

**React JS**

- Successfully developed a personal portfolio website utilizing React JS. The site is designed to effectively showcase my range of work, highlighting projects, skills, and achievements in a user-friendly and aesthetically pleasing format.

### Tasks Tracker (Personal Project)

**React JS, CSS**

- Built a web application using React JS, allowing user to record their daily tasks and set reminders for themselves
- Learned the fundamental of React JS such as components, props, state, hooks, working with an API and more.

### Machine Learning Approaches to Distinguish Between Human and AI Text (Academic Project)

**Logistic Regression, Neural Networks, Natural Language Processing (NLP), Python**

- Actively involved in developing a machine learning model to differentiate between human and AI-generated text, utilizing Logistic Regression and Neural Networks. Conducting in-depth research on AI text-generation tools and identifying key distinguishing features.
- Employing Agile methodologies for structured project management, including detailed sprint planning and execution.
- Integrating advanced NLP techniques for data preprocessing and model training, with ongoing analysis to improve model accuracy and efficiency.

### HeaLife Website (Academic Project)

**HTML, CSS, JavaScript, React JS, Node JS, Bootstrap, Express, and MySQL**

- Played a pivotal role in a team to develop 'HeaLife', a responsive web application aimed at promoting a healthier and more active lifestyle.
- The project involved close collaboration and consistent communication within the team, adhering to Agile methodologies.
- Utilized MySQL for robust data management, effectively tracking user fitness levels, BMI, and calorie intake. Integrated Axios for efficient data handling and storage.
- Spearheaded the creation of a user-friendly front end using HTML, CSS, and React JS, ensuring an engaging and intuitive user experience.
- Skilfully implemented backend functionalities using Node JS and the Express framework, contributing to a seamless and dynamic application flow.

### Advance Word Count With GUI (Academic Project)

**JAVA Swing and Eclipse**

- Worked independently to implement a software that can count the unique words in a text file and displaying them (the word and the frequency of its use) in a GUI application.
- Gained a clear understanding of Hash Mapping and Java Swing for GUI

### Scientific Calculator With GUI (Academic Project)

**JAVA Swing and Eclipse**

- Built a program that performs the basic arithmetic operations as well as scientific calculations.
- Given the challenge of building the calculator without using the Eval function and found an alternative solution by thinking logically to complete the task within time.
- Enhanced my knowledge on Object Oriented Programming concepts.

## EDUCATIONAL QUALIFICATION

### BSc. Honours Computer Science

Brunel University London

Uxbridge, UK | Sep 2021 - Jul 2024

**Final Year Modules:** Cybersecurity, Artificial Intelligence, Software Engineering, Computer Science Project, Advanced Topics in Computer Science - 2.1 [Expecting].

**Second Year Modules:** Group Project (C), Algorithms and their Applications (C), Networking and Operating System (C+), Software Development and Management (B), Usability Engineering, Grade (C) - 2.2

**First Year Modules:** Group Project (B-), Introductory Programming (A-), Data and Information (A), Logic and Computation (B), Information Systems and Organisations (B-)

### HSC Equivalent to A-Levels (Science)

Ideal College Dhanmondi

Dhaka, Bangladesh | Jul 2016 - Jun 2018

ICT (A-), Physics (A-), Chemistry (B), Biology (B), Higher Mathematics (B)

### SSC Equivalent to O-Levels (Science)

Armanitola Govt High School

Dhaka, Bangladesh | Jul 2014 - May 2016

Mathematics (A+), English (A), Physics (A), Chemistry (A+), Biology (A+), Higher Mathematics (A-)

## VOLUNTEERING

### Publication Secretary

ULAB Computer Programming Club

Dhaka, Bangladesh | Jan 2020 - Sept 2020

- Showed creativity when creating posters and banners for the club, promoting them on social media to raise awareness of the club.
- Effectively communicated with executive members about planning and organising events
- Organised seminars to develop the students' skills.

### Graphic Designer

IEEE Computer Society ULAB

Dhaka, Bangladesh | Jan 2020 - Sept 2020

- Created posters and banners for the Publication Team using Adobe Illustrator
- Won a logo contest organised by IEEE ULAB SB WIE Affinity, demonstrating my ability to think innovatively when producing ideas.
- Managed my time effectively, completing tasks allocated to me by the set deadline.

## WORK EXPERIENCE

### Barista Maestro (Team Leader)

Costa Coffee

London, UK | May 2023 – Present

- Took the lead during shifts, fostering a supportive and efficient work environment. Played a key role in training and accrediting new Baristas, ensuring high-quality service and product knowledge.
- Actively listened to customers and responded to them appropriately, sometimes dealing with very demanding individuals
- Managed day-to-day operations, including stock maintenance and health & safety compliance. Focused on maintaining high standards for product quality, contributing to improved customer satisfaction and store reputation.
- Gained experience of money management by working on the till, cashing up at the end of the day

### Host

Vapiano UK

London, UK | Jun 2021 – May 2023

- Awarded Employee of the Month for my hard work and dedication in the role
- Developed good verbal communication skills including tact and diplomacy through contact with customers and staff
- The highly pressurised working environment often required a cool head and innovative solutions to resolve the customers' problems.
- Gained self-confidence and leadership skills through the supervision of new members of staff

## INTERESTS

Enjoy playing badminton on weekly basis to keep fit and active. Like going for long drives whenever I get time. Also have an interest in photography and like to capture images on my phone or camera.