

Nushrah Yanida

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EDUCATION

City University of Hong Kong
Bachelor of Science in Computer Science

Hong Kong SAR
Aug 2023 – Jun 2027

EXPERIENCE

Technical Assistant

Jun 2024 – Present

City University of Hong Kong

Hong Kong SAR

- Developing and launching the DEI@Work website for City University HK's Social and Behavioural Sciences department, focused on workplace diversity, equity, and inclusion.
- Led front-end development using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, creating a responsive, mobile- and desktop-friendly site that prioritizes accessibility and user engagement, achieving an overall site rating of **95%** in performance tests.
- Conducted weekly **UX/UI design** reviews with stakeholders, utilizing **Figma** for wireframing and **Adobe XD** for prototyping, ensuring a visually appealing and intuitive user experience.

Full-stack Development Intern

Jun 2024 – Aug 2024

PerformVE Limited

Hong Kong SAR

- Developed internal software for The Neighborhood Advice-Action Council (NAAC) and a clinic, writing nearly **20k** lines of code. Delivered completed web applications that boosted organizational efficiency by **50%** and **90%**, respectively.
- Designed and optimized **25+** webpages using **React** and **TypeScript**, introducing dynamic components and conditional logic that reduced form completion time from 10 minutes to **under 3**, enhancing user experience.
- Integrated **RESTful APIs** with **MongoDB** using **Axios**, improving error handling and securing medical data with **JWT authentication** and **encryption**. This reduced form rejections by **30%**, data transmission errors by **40%**, and ensured HIPAA compliance.
- Resolved critical API and database integration challenges and worked with team members' code, utilizing **Git version** control and effective error handling within the team. Also, successfully planned and executed importing React tables to Excel through collaboration on a custom API.

Information Technology Intern

Apr 2023 – Jun 2023

Siemens Healthineers

Dhaka, Bangladesh

- Designed and built an extensive and interactive **Excel** database for the employee-assigned electronics data for **80+** employees in the healthcare division of the whole organization, streamlining any future data updating process. Also provided day-to-day IT support.

Data Analysis Intern

Aug 2022 – Oct 2022

icddr,b

Dhaka, Bangladesh

- Cleaned, processed, and analyzed historical trends in education in Bangladesh from the past 100 years using **Stata** and Bangladesh Demographic and Health Survey datasets to create a report being used in current research.

PROJECTS

Bubble Pop Game | *Python, OpenCV*

- Built a webcam-based interactive game using OpenCV and Python
- Implemented bubble spawning, popping mechanics, and collision detection with OpenCV's video stream handling and drawing functions.

Equipment Lending Club Management System | *Java, Flask, JavaScript, HTML, Bootstrap*

- Built a full-stack application with Flask (Python), Java, and a responsive HTML/CSS/JavaScript frontend to manage member registration, inventory, and equipment borrowing.
- Integrated Python for APIs and Java for business logic, ensuring a robust OOP design and error handling, enabling batch .txt file processing.
- Deployed on Heroku, demonstrating expertise in cloud deployment, RESTful API design, and scalable full-stack development.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, TypeScript, Node.js, Flask, Bootstrap

Developer Tools: Git, VS Code, Visual Studio, JWT, MongoDB, Oracle, Heroku, Figma, Adobe XD