

# Tanishq Agarwal

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## EDUCATION

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### City University of Hong Kong

Hong Kong SAR

- Bachelor of Science , Computer Science
  - CGPA : 3.86 (Awarded Deans List )
  - Relevant Courses : Computer Programming, Data Structures, Computer Organization, Computer Networks

## PROFESSIONAL EXPERIENCE

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### Hong Kong Institute for Advanced Study

Hong Kong SAR

- *Web Programming & Application Development Intern (On-Site)* July 2024- present
  - Assisting departments with website creation and develop and update web content using various programming languages such as Python, HTML, CSS, PHP with MySQL, C#/VB.Net with MS SQL and JavaScript.
  - Assisting in web-revamping UAT project, implement UAT in Content Management System (CMS), and assist with deployment to the Production Server.
  - Setting up, operating and configuring red hat linux servers with Apache , MySQL and MongoDB configuration.

### Seth BioTech Limited

Hong Kong SAR

- *Frontend Web Developer (On-Site)* June 2024 – Aug 2024
  - Explored various large language models like Gemma2 , Llama2 and Llama3 , leveraging capabilities to extract specific data from medical reports and developed codes to tap into these models potential to generate JSON output.
  - Contributed to creating a machine learning model using TinyLLaVa , further enhancing skills in natural language processing and machine learning . Designed over 5 application layouts with a strong focus on UI/UX principles, ensuring intuitive user experiences and visually appealing interfaces.

### City University of Hong Kong

Hong Kong SAR

- *Research Assistant (On-Site)* Mar 2024 – June 2024
  - Conducted advanced research on various technologies for wastewater treatment, including membrane filtration, biological treatment methods, and advanced oxidation processes.
  - Assisted in researching for the air filtration technologies, focusing on the application of nanotechnology and electrochemical processes to capture pollutants and improve air quality.

## PROJECTS

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- **DotAI Crypto Web Application** ([GitHub Link](#)): Developed a comprehensive crypto web application that allows users to create their own blockchain wallets, link existing wallet addresses, and facilitate real-time transactions. The application also enables users to mint Bifrost tokens, enhancing their cryptocurrency experience.
- **Hospital Report Structuring with AI** ([GitHub Link](#)): Developed a structured document extraction tool using Cohere's AI, enabling the automated identification and formatting of hospital reports based on 5-digit patient IDs for improved data organization and accessibility.
- **HKIU Website** ([GitHub Link](#)): Developed a dynamic website for the Hong Kong Industrial University as a course project using HTML, CSS, and JavaScript which showcased my skills in front-end development , enhanced user engagement through responsive design.

## HONORS & AWARDS

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- **CityU International Students Full Tuition Scholarship**: Received 100% Full Tution Scholarship for International Students worth 170,000\$ HKD per year renewable for a period of 4 years which is given to students with academic excellence.
- **CityU ESG X Fintech Hackathon**: Finalist in the CityU ESG X Fintech Hackathon that emphasizes innovative solutions to environmental, social, and governance (ESG) challenges through the lens of fintech .
- **SHE Scholarship for Higher Education by INSPIRE**: Got selected for the SHE Scholarship of higher education worth INR 4,00,000 for my duration of study for being within the top 1% in Indian Board ISC examination.

**SKILLS** : Java , C++ , Python ,UI/UX ,HTML , CSS , JavaScript, React, Next JS , Node JS Assembly, MySQL , Word , Excel ,Powerpoint

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