

Tanishq Agarwal

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EDUCATION

City University of Hong Kong

Hong Kong SAR

- Bachelor of Science , Computer Science
 - CGPA : 3.82 (Awarded Deans List)
 - Relevant Courses : Computer Programming, Data Structures, Computer Organization, Computer Networks

PROFESSIONAL EXPERIENCE

Digital Domain Holdings Limited

Hong Kong SAR

- *Systems Integration Engineer (On-Site)* June 2025 – Present
 - Design and optimize Large Language Model (LLM) workflows, supporting deployment, performance tuning, and AI integration for enhanced system functionality.
 - Develop responsive web interfaces using HTML/CSS/JavaScript/TypeScript and facilitate third-party API/hardware integrations, ensuring compatibility and system stability.

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.

PROJECTS

- **Theme Management** ([GitHub Link](#)): A dual-portal system: Admins can manage (add/delete) database content via a GUI without accessing MongoDB directly, while users browse and select themes from the available data directly fetched from the database.
- **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, integrating LLMs enabling the automated identification and formatting of hospital reports based on 5-digit patient IDs for improved data organization and accessibility.

HONORS & AWARDS

- **CityU International Students Full Tuition Scholarship**: Received 100% Full Tuition 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