Masood Ahmed

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EDUCATION

The University of Hong Kong   **Expected Graduation:** June 2024
Bachelor of Engineering in Computer Science with a minor in Finance
- HKU Foundation Scholarship **(100% Scholarship),** HKU **Student Ambassador**
- **Co-Founder** Blockchain Club at HKU; Team Member of **HKU Squash Team.**

WORK EXPERIENCE

Technine.io   **Hong Kong**
Software Developer   August 2022 – December 2022
- Achieved a **30%** increase in efficiency by testing software using Cypress for bugs and operating speed while documenting the processes.
- Built RESTful APIs for serving data to a JavaScript front-end based on dynamically selected user inputs supporting over **5000** users.
- Customized and developed new React Native components for a customer-facing web application, which led to an increase in traffic volume.

DocPro Limited   **Hong Kong**
Software Developer   June 2022 – August 2022
- Increased sales productivity by **80%** by implementing event and conversion tracking for the websites using Google Analytics 4 and Google Tag Manager.
- Developed performance-driven and user-centric websites such as Docpro and Awesumecare using PHP, Twig template, and ReactJS as the solutions stack.
- Revamped the websites with a more aesthetically pleasing **UI/UX** helping to improve the customer experience when navigating through websites.
- Increased the mobile traffic by **20%** and desktop traffic by **30%** for Docpro by implementing a new responsive website using intelligent use of CSS media queries along with flexible grids and layouts enabling the websites to resize according to various screen sizes.

Weavatools Limited   **Hong Kong**
Software-Quality Assurance Intern   August 2021– December 2021
- Smoke-tested the staging website of Weavatools and suggested improvements which resulted in an increase in **customer experience ratings and engagement numbers**.
- Utilized agile-scrum methodologies during my internship to optimize my tasks along with weekly scrum meetings which allowed my team and me to deliver projects in **80%** of the anticipated time frame.
- Streamlined the testing of Weavatools website using Cypress by writing automated test-scripts, which reduced the testing time by **50%** for Software Quality Assurance Engineers.
- Tested and enhanced the website performance and CPU consumption using Apache JMeter, which resulted in a **10%** increase in the efficiency of the website and achieved **100%** website functionality by developing and documented test cases.

PROJECTS   **See More at: GitHub**

- **AI-Robotic Arm (Start-up):** Developing a Robotic-Arm on Raspberry-pi using RealSense Depth Camera, Computer Vision, and Detectron2 (Facebook AI Research's library) along with OpenCV, Numpy, and Matplotlib to detect windows and Cleaning them.
- **AI-Voice Companion:** Designed and programmed an AI voice bot using NLTK and Tensorflow along with speech recognition and playsound libraries to help overcome loneliness felt by the elderly. (Demo | GitHub)
- **Newsfeed:** A full-stack application made using MongoDB, Express.js, HTML, CSS, Node.js where users can read news articles and add comments. (Demo | GitHub)
- **IShop:** A MERN stack application which depicts an online ecommerce store. (Demo | GitHub)
- **Big Two Card Game:** A multiplayer GUI card game made using JAVA and OOP programming concepts. The game allows **4** users to play against each other and interact with each other. (Demo | GitHub)

SKILLS AND TECHNOLOGIES

Languages: Python, C++, C. Java, JavaScript, HTML, jQuery
Frameworks & Tools: React.js, Express.js, Node.js, JSON, XML, Linux, Bash-Script, MongoDB, SQL

ADDITIONALS

- **'Good Job'** Award for the BREED Doggie Project at HKU 6th Inno-Show
- **Credit-Suisse CodeIT 2022** Hackathon Winners
- **Queen's HackHer 2023** Hackathon Winners.
- **100,000 HKD** Pre-Seed Funding for an AI-App via Idendron | June 2021
- **HK Innox Winter Camp 2021** winners.
- Student Teaching Assistant for **ENGG 1330 (Python) and ENGG 1340/COMP 2113 (C++, C, Linux)**
- Student Research Assistant for **Quantum Mechanics**
- **Finance Accelerator Simulation 2022**, AmplifyMe in partnership with **Morgan Stanley:** Gained a deeper comprehension of the subtle differences between the buy-side and the sell-side.
- **JP Morgan Chase, Finance for Non-Finance program**: Selected among 45 people chosen from the APAC Region to participate in a 2-week Finance Training Session under the supervision of JP Morgan Associates.
- A **podcaster at Vain2gain** (YouTube, Spotify, Apple Podcasts)