TASEEN WASEQ

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EDUCATION

Honours Bachelor of Computer Science, Carleton University   Sept. 2021 - April 2026

- Specializing in Management and Business Systems | Awarded: Entrance Scholarship of $8000, Deans' Honour List
- Relevant Courses: Discrete Structures, Data Structures and Algorithms, Systems Programming, Intro to Python, Object-Oriented Programming (Java), Web Applications, Database Management Systems, Intro to Software Eng.

WORK HISTORY

Software Engineering Intern, Ideabytes Inc. - Ottawa, ON   Feb 2022 - Jan 2023

- Worked with team internationally providing newer insights into software improvement and development
- Implemented functionality and architecture refactoring for features including automatic translations for international shipment documents, automated PDF merging, creating end-to-end APIs connecting client and server side
- Improving time and memory efficiency of existing code using advanced data structures and algorithms
- Developed entire front end for customer Administration Portal, facilitating project and user management
- Responsible for software maintenance and support across the codebase for web applications handling 1000+ daily transactions; quickly delivering and efficiently written solutions for database and code related issues
- Drafted architecture and engineered multiple SQL tables and queries; properly integrating with existing databases
- Delivered numerous User Guides and technical documentation for existing applications and presented to clients

PROJECTS

TAWallet: Investment Hub

- Web application for retail investors track all of their market investments in one place
- Real-time price tracking for 2400+ companies through the implementation of the MarketStack's Stock API
- Allowing users to add buys/sells, check the performance and value of their individual stocks, and the entirety of their portfolio stored through the implementation of a mySQL database using JSON structure, export to .xlsx
- Integrated secure credential storage and thorough input, purchase, and sale validation

Social Media SMS Update Bot

- Program gathering users YouTube, Instagram, and Twitter data and returning the info by text within 17 seconds
- Automated web scraping and form submission with Selenium, outgoing text message using Twilio API

Digital Art Gallery

- Web application for artists to digitally showcase their artwork and network with others
- RESTful API design using Express.js framework, modular server-client communication through appropriate request and response handling, with an integrated MongoDB storing users, artwork, and sessions, via Mongoose schemas

CS Lightwork: Programming YouTube Channel

- Simplified videos teaching both the conceptual understanding, and the coding of algorithms with all source code available through GitHub, ranging from beginner to advanced concepts, lessons, and problems for 4000+ views

EXTRACURRICULARS

Lyft - Back-End Engineering Virtual Experience Program

- Completed new software architecture for vehicle component classes, Python code base refactoring, unit testing, and test-driven development

Visa - Token Service Technology Virtual Experience Program

- Developing code confirming the validity of an incoming Visa transaction request, token authentication, and providing customer solutions on how Visa APIs can solve an array of cardholders' matters

SKILLS

Languages	Python, Java, PHP, C, C++, JavaScript, SQL, HTML/CSS	English, French, Bengali
Frameworks / Tools	Git, Angular, Node.js, Express.js, Bootstrap, Selenium, MySQL, Mongodb, RESTful API