Ayaan Islam

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EDUCATION

University of Toronto   Toronto, ON
Candidate Honours Bachelor of Science, Co-op Computer Science, Minor in Statistics   *Sep. 2023 – May 2027*

EXPERIENCE

Systems Analyst Intern   Jan. 2025 – Aug. 2025
Regional Municipality of York   *Newmarket, ON*
- Developed and maintained Oracle APEX applications by implementing new features, resolving client-reported issues via Jira and modifying SQL database scripts through SQL Server to meet customer requirements and requests
- Automated workflows using JavaScript, PowerShell and Power Automate - streamlining tasks such as large-scale file analysis, database query extraction and autonomous document retrieval
- Designed interactive Power BI dashboards to analyze materialized views and created Excel reports to visualize key metrics, enabling data-driven decision-making for team members and clients

Math and English Tutor   Sep. 2021 – Present
Kumon Canada   *Scarborough, ON*
- Tutored and evaluated 20+ students while tracking progress using spreadsheets, leading to measurable improvements in Math and English proficiency and contributing to business growth

Director of Community-Services   June 2021 – Present
UTSC Rotaract Chapter   *Toronto, ON*
- Collaborated with more than 15 club members by leading community initiatives, including food drives providing 100+ meals and fundraisers raising $1,000+, while coordinating strategic planning and member engagement to ensure successful project execution

PROJECTS

DocFlow Web App | *React, Node.js, Tailwind, PostgreSQL, Docker*
- Collaborated within a team to design and build a real-time collaborative text editor using Next.js, Express.js, Tailwind CSS, and PostgreSQL, with RESTful API design for efficient HTTP requests
- Implemented features including document templates, secure document sharing, advanced rich-text editing, and real-time multi-user collaboration via WebRTC
- Containerized and deployed the application on a Virtual Machine using Docker, configuring an NGINX reverse proxy to handle traffic routing and improve reliability with CI/CD pipeline integration for automated deployment

Planetze Carbon Tracking Android App | *Java, Android Studio, Mockito, JUnit*
- Developed an application with Java using Android Studio to track, monitor and compare carbon data emissions based on user inputs, while employing design patterns such as MVP and creating unit tests through Mockito and JUnit
- Collaborated as part of a 5-member team utilizing Agile Scrum methodology to hold sprints and standup meetings

Cryptocurrency Mining System | *Computer Hardware, Scripting, Software Optimization*
- Built a high-performance computing machine by assembling various hardware components, including 5 GPUs and 2 power supplies to process blockchain transactions efficiently
- Achieved a 300% profit margin through passive income by fine-tuning software settings and testing benchmarks to maximize the machine's efficiency and output

TECHNICAL SKILLS

Languages: C, Python, Java, SQL, JavaScript, HTML/CSS
Frameworks & Tools: React, Vue.js, Next.js, Node.js, Express.js, Docker, Git, GitHub, Power BI
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Dev., Machine Learning, Statistics
Personal: Communication, Teamwork, Problem-Solving, Time Management, Professionalism, French