**Syed Kaab Surkhi**

Bachelor of Computer Engineering

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**EDUCATIONBachelor of Engineering (B.Eng), Computer Engineering,** Toronto Metropolitan University *2023 - 2027* **Relevant Courses:** COE 318 - Software Systems | COE 428 - Engineering Algorithms and Data Structures | COE 528 - Object Oriented Eng Analysis and Design | ELE 404 - Electronic Circuits I | COE 328 - Digital Systems

**TECHNICAL SKILLS**

**Programming Skills:** Python, C++, C, C#, MATLAB, Java, MySQL

**Frameworks:** Flask, Node.js, React.js, Tailwind CSS, OpenCV, Websocket, Golang, CLI Tools, PyGTK, Ros2, TCP Connections, Streamlit

**Tools:** CAD, 3D Printing, Electric Circuits, Git, Firebase, Arduino, NI Multisim, Quartus, NetBeans, Unity, JavaFX, Supabase, Vector DB

**WORK EXPERIENCE**

Software Developer, Toronto MetRobotics

Implemented a control program for a Robotics Rover, enabling simultaneous component management.

Developed a GUI for a multi-camera system using PyGST and TCP Connections.

Incorporated dual production pipelines for faster or smooth streaming.

Full Stack Developer, Momentum AI

Developed an AI full stack study application with features like flashcards and exam generators.

Implemented complete functionalities in a Flask backend and minimal React.js frontend.

Connected application to databases for data management.

Network Programming Controls and Web Developer, Metropolitan Hyperloop

Developed a promotional website using React.js and Tailwind CSS.

Built a GUI to display significant data, connecting a RaspberryPi via TCP Connection.

Designed a multi-tier sponsorship benefit system for the organization.