ANIKA **SHEIKH**

anikaantara95@gmail.com | 778-837-6114

SKILLS

PROGRAMMING

LANGUAGES:

• Python • C/C++ • JavaScript • Java
• HTML • CSS • VBA • SQL • MATLAB
• VHDL • Flutter

FRAMEWORKS & DATABSES:

• Django • React • PostgreSQL
• Bootstrap • SQL • Firebase • MFC

TOOLS:

• Git • Jira • Confluence • Figma• Jenkins
• Docker • Kubernetes

EDUCATION

SIMON FRASER UNIVERSITY

BASc. Computer Engineering

Sep 2018- Dec 2022

Deans Honour Roll

RELEVANT COURSES

COMPUTER SCIENCE

Algorithms & Data Structure

User Interface Design

Software Testing Reliability & Security

Embedded & RT Systems

Object Oriented Programming

LINKS

PORTFOLIO

sheikh-anika.com

LINKEDIN

linkedin.com/in/anika-sheikh-5723201b8/

GITHUB

github.com/aanika23

INTERESTS

Classical Dance

Painting

Weightlifting

EXPERIENCE

TerraSense Analytics | SOFTWARE ENGINEER

June 2025 – Nov 2025 | Kelowna, BC

- Developed OpenDDS handlers and publishers to enable reliable, low-latency communication between the defense turret system and the AI detection pipeline, improving data flow stability and integration.
- Implemented real-time Grafana dashboards to monitor software performance in Kubernetes and Docker environments, enabling better observability and quicker diagnosis of runtime issues.
- Debugged and enhanced object-tracking performance by improving detection logic in GStreamer-based tracker classes, contributing to higher system accuracy and reduced false positives.

Telesat LEO | SOFTWARE ENGINEER

Oct 2024 – June 2025 | Ottawa, ON

- Designed and implemented command-line interface for debugging directly from the satellite, enhancing operational efficiency.
- Developed features in C++20, including wrapper classes for third-party libraries, improving code maintainability and integration.
- Implemented scripts to automate processes in GitLab CI/CD pipelines, optimizing build and deployment workflows by 80%.

MDA Space | SOFTWARE ENGINEER

Mar 2023 – Oct 2024 | Burnaby, BC

- Developed critical features to enhance functionality for a desktop application dedicated to Global Procedure Designer (GPD) in the Aviation Industry, using C++.
- Introduced new feature to the app, letting users create Enroute Procedures, which helps them plan better routes and navigation.
- Implemented features allowing users to select and open saved procedures from a database, streamlining access to previously configured data.

AVESTEC TECHNOLOGIES | FULL STACK DEVELOPER

Feb 2022 – Feb 2023 | Burnaby, BC

- Enhanced drone reporting procedure through creating a program written in Python Django, and JavaScript that organizes flight information, temperature, and pictures for graphic analysis.
- Utilized Linux to update drone status and communicate with Tether Box.

GREENLIGHT INNOVATION | FULL STACK DEVELOPER

May 2021 – Dec 2021 | Burnaby, BC

- Developed web applications written in Python Django, JavaScript, and PostgreSQL that allow managers and executives to easily view project performance reviews.
- Maintained and tested features within web application that provided time tracking and ERP functionality to help the accounting and manufacturing departments by automating repetitive tasks.