

ANIKAA SHEIKH

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SKILLS

PROGRAMMING

LANGUAGES:

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

FRAMEWORKS & DATABASES:

- Django
- React
- NodeJS
- PostgreSQL
- Bootstrap
- SQL
- Firebase
- MFC

TOOLS:

- Git
- Jira
- Confluence
- Figma
- Jenkins
- Linux
- WSL
- Shell Scripting

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

Dance

Painting

Volleyball

Weightlifting

EXPERIENCE

Telesat LEO

SOFTWARE ENGINEER

Oct 2024 – Present | Ottawa, ON

- Designed and implemented a command-line interface (CLI) 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.

MDA SYSTEMS LTD.

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
- Streamlined development by introducing tools such as Git, Jira, and Confluence to the web development team

PROJECTS

E-MINDER – CAPSTONE

Jun 2022 – Dec 2022 | Burnaby, BC

- Developed E-minder app using Flutter and Firebase enabling users to manage item tracking, scheduling, and notification settings to complement RFID hardware to remind users of forgotten items