

ANIKA 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

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

MDA Space

JR. SOFTWARE ENGINEER

March 2023 – Present | Burnaby, BC

- Developed flight mapping menu for Global Procedure Design (GPD) software in **C++** - ensures standardized and efficient flight operations
- Collaborated with GPD designers to implement scalable fullstack systems; optimizing flight route construction, reducing mapping time, and enabling seamless storage for communication between designers
- Implemented features allowing users to select and open saved procedures from a database, streamlining access to previously configured data and increasing efficiency by 50%

AVESTEC TECHNOLOGIES

FULL STACK DEVELOPER

Feb 2022 – Feb 2023 | Burnaby, BC

- Designed a program using **Python**, **Django**, and **JavaScript** to bridge drone data to end users; Created an algorithm to display trends and essential flight, temperature, and image data for graphical analysis.
- Implemented **Linux**-based system updates for drone status, resulting in a 20% reduction in communication latency with Tether Box

GREENLIGHT INNOVATION

FULL STACK DEVELOPER

May 2021 – Dec 2021 | Burnaby, BC

- Produced an interactive dashboard web application for executives to assess project performance, leveraging **Python Django**, **JavaScript**, and **PostgreSQL** - provides precise insights into key performance metrics
- Ensured reliability and functionality of web application features, reducing manual workload for accounting and manufacturing departments by 40% through automated time tracking and ERP capabilities.
- Introduced Agile methodologies to the software team through the adoption of tools such as **Git**, **Jira**, and **Confluence** – resulting in improved collaboration, higher quality deliverables, increased efficiency

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
- Configured **embedded** components to reliably communicate with the mobile app

StormHacks 2021, Hackathon and Case Competition

Feb 2021 | Vancouver, BC

- Launched an online platform to help homeless people and tourists navigate to water and sanitation stations using **JavaScript** and **Google API**, winning “Best use of Google Clouds” and “Women in STEM” award out of 100+ teams at StormHacks