Srinjay Mitra

SOFTWARE INTERN

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Education

2023-Present	**Bachelors of Science (Software Systems)**	
	Simon Fraser University (SFU), Vancouver, Canada	GPA: 3.4/4.0
2022	**XII - ICSE,** *MP Birla Foundation Higher Secondary School, Kolkata*	92.30 %
2020	**X - ICSE,** *MP Birla Foundation Higher Secondary School, Kolkata*	89.33%

Objective

Aspiring software engineer with a strong interest in software development, proficient in Java, C++, and JavaScript, Flutter(Dart). Seeking a Software Engineering Intern position to contribute to impactful projects, solve complex programming challenges, and enhance my software engineering skills in a collaborative team environment

Professional Experience

Dec 2023 - Jan 2024

Software Engineering Intern, RepTheLeaf, Vancouver
- Developed and Implemented a high-precision **fitness calculator** and step tracker using **Android Studio** to enhance athletic performance and training efficiency.
- Integrated **Real-Time Step Tracking** with seamless synchronization to smartphones and smartwatches using the **inbuilt Sensor library** , providing instant feedback to athletes.
- **Analyzed and Provided Insights** from collected data to assist coaches in developing personalized training plans for each team member.
- Received **Positive Feedback** from coaches and athletes for contributing to improved fitness levels and on-field performance.

Jun 2024- Jul 2024

J.P. Morgan Software Engineering Virtual Experience

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

Sep 2023 - Dec 2023

Software Engineering Intern, CJSF Studios, Vancouver
- Developed Chat Applications: Created robust, real-time chat applications for radio communication devices using **C++** and **boost library**, enhancing communication capabilities for users.
- Ensured low latency and high reliability in message transmission, crucial for effective radio communication.
- Optimized Network Performance: Enhanced application performance over various network conditions, ensuring seamless operation even in low-bandwidth scenarios.

PROJECTS

- **Music Player using Java and Android Studio**
Simon Fraser University (SFU)
Created a music player application with a user-friendly interface, allowing users to play, pause, and organize their music library efficiently.

- *Tic-Tac-Toe Game in C++*
Simon Fraser University (SFU)
Developed a classic Tic-Tac-Toe game using C++ with a graphical user interface, providing an engaging user experience.

- **Breakout Game**
Simon Fraser University (SFU)
Developed an Android application for the Breakout game with basic playing and scoring features.

Certificates

1) JP_Internship_Certificate.pdf

Courses

[Curriculum]   Computer Networks, Database Systems, Operating Systems, Data Structures and Algorithms, Object-Oriented Programming

[Mathematics] Probability-Statistics-Stochastic Processes, Discrete Mathematics, Linear Algebra, Graph Theory

Skills

Languages:- C, C++, Java, Javascript,HTML, CSS, Flutter(Dart)

Tools:- Unity, Android Studio, Git

Libraries:- boost,sensor library.

Scholastic Achievements

◊ Third runner-up in the **StormHacks Hackathon** held in spring 2024, SFU:
Developed a prototype for image-translation of English text on signboards and posters into vernacular languages.

◊ **Ranked 3960** in Board Examinations, 2022, out of approximately 1.2 lakh students.

◊ Top 20 in respective academic institutions in both **Class X and Class XII** board exams.

Extra Curricular Activities

1) Cultural Trained in and have performed in the Power Lifting Association for SFU for eight months.

2) Sports Part of Sfu Swimming Team during the first year of college (2023-2024).