



SARTHAK JAIN

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Aspiring software engineer, eager to learn cutting-edge technologies to tackle real-world challenges and deliver meaningful solutions!

Education

Western University - B.Eng in Software (GPA: 3.9/4.0) **Sep. 2022 – May 2026**
Western Cybersecurity Club, Sunstang Solar Car Club, Basketball Intramurals *London, Ontario*

Earl Haig Secondary School - Avg: 96% **Sep. 2020 – May 2022**
Programming Club, Chess Club *Toronto, Ontario*

Technical Skills and Frameworks

Languages: Java, Python, C, C++, JavaScript, HTML, CSS

Frameworks: Spring Boot, React, Express, Node.js, RESTful APIs, Hibernate, Tomcat, JDBC, JPA, JUnit Testing, Mockito, Selenium, Pandas, TensorFlow, Postman, Burpsuite, Charles Proxy Tool.

Tools and Libraries: Git, Maven, AWS elastic beanstalk, Perspective, SQL, MongoDB

Certifications

Microsoft: Azure Fundamentals Certification (Pursuing)

Cisco : CPA programming essentials in C++, Introduction to IoT

Udemy: Python Bootcamp, Machine Learning, AI and Data Science with Python,

Experience

Omnocard Financial Services **June 2023 – September 2023**
Software Engineer Intern *Noida, India*

- Interned at a fin-tech start up that provides a bank-independent payment platform with over a million users and around 1M+ daily transactions.
- Designed and implemented a spring boot project that serves as a robust Enterprise Mgmt. System, providing **RESTful APIs** to perform **CRUD operations**. Demonstrates robust implementation of the **Controller, Service, Repository and DTO** architecture. Includes functionalities like authentication, pagination and sorting, exception handling, custom responses, Many-To-One mapping and more
- Designed and wrote code snippets that were used in **UAT and dev** environments.
- Performed **testing and analysis** of the OmniCard app and the Enterprise Management solution, and wrote **API documentation** for the same.
- Used **Burp Suite** to trigger and analyze APIs and wrote a tech write-up of the back-end flow

Tech Stack: Java, SpringBoot, Data Structures and Algorithms, JWT, Auth 2.0, MySQL, RESTful APIs, Hibernate, JPA, JDBC, Tomcat, Spring MVC, Spring Security, Burp Suite, Charles Proxy, Postman, Agile and Scrum

JP Morgan Chase - Software Intern **June 2021– February 2022**
Virtual Engineering Program *Remote*

- Analyzed and refined existing code to interact with stock data and use data analytics to highlight potential trading opportunities.
- Implemented Perspective, an analytics web component for data visualization.


Tech Stack: Python, Git, Perspective

Superprof Tutoring Services **November 2022– April 2023**
Student Tutor and Course Co-ordinator *London, Ontario*

- Conducted one-on-one tutoring sessions with students from G11-12 and taught them fundamentals in Math and Physics.
- Arranged sessions, Designed course timetables, Conducted games, quizzes and tests to maximize student engagement and make learning more interesting. Displayed excellent leadership and collaboration skills.

Projects

Ignition Hacks - Hackathon  **August 2023**
• Created a **React-based** AI travel planner utilizing **JavaScript** and multiple APIs like **Open AI** and **Google Maps** to provide users with comprehensive details on hotels, restaurants, and a personalized itinerary for their dream vacations.

Metro Commuter Assitant  **September 2023**
• Ongoing project that acts as a comprehensive route planner for the Delhi Metro. With 10 metro lines, 250+ stations and potentially many interchanges, commuters find it difficult to get the best and shortest route, even with Google Maps. This project provides an interactive UI that maximizes ease of use and efficiently displays the path, stations, interchanges that the user should know. Also has an **API** that can be outsourced to apps like Google Assistant etc. Built with **Javascript** and Frameworks like **React** and **Node js** and uses **Dijkstra's** algorithm and **backtracking** algorithms.