

# Sai Rohith Enumala

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## Summary



Results-driven and detail-oriented computer science graduate with a strong academic background and a keen interest in software development. Proficient in multiple programming languages with hands-on experience in building applications and solving complex problems. Demonstrated the ability to collaborate effectively in team environments and communicate technical concepts with clarity. A proactive learner committed to staying updated with emerging technologies and industry trends. Honored with the prestigious Deputy Vice-Chancellor Scholarship in recognition of exceptional scholarly achievements.

## Education



**Bachelor of Science - Computer Science Major**  
**University of British Columbia (BC, Canada)**

Sept 2019 - Apr 2023

- **GPA: 4.3 (4.33 scale)**
- **Deputy Vice-Chancellor Scholarship recipient**
- **Dean's List - Faculty of Science: Recognized for exceptional academic achievements**

**Relevant Courses:** Java, OOP in Java, Models of Computation, Assembly, Machine Architecture, Software Construction, Data Structures, Algorithms, Data Analytics, HCI, Discrete Structures, Operating Systems, Software Engineering, Databases, Networking, Web Development, Project Management, Algorithm Analysis, Parallel Computing, Database System Implementation.

## Skills



- **Programming Languages:** Java, C++, C, R, Python, JavaScript
- **Web Development:** HTML, CSS, PHP, jQuery, AJAX, XML, JSON, React
- **Version Control:** Git, GitHub
- **Operating Systems:** Windows, macOS, Linux, command-line navigation, and shell scripting
- **Database Management:** Proficient with SQL, designing and implementing relational databases, querying, and optimizing database performance, and have worked with tools like MySQL and PostgreSQL
- **Data Analysis:** Proficient in statistical techniques, data cleaning, transformation, and visualization. Skilled in Python libraries (Pandas, NumPy) for data manipulation. Experienced in utilizing Tableau for data visualization and exploration.
- **Software Development:** Knowledge of software development lifecycle (SDLC) methodologies, including requirements analysis, design, implementation, testing, and maintenance.
- Strong understanding of fundamental **algorithms** and **data structures**.
- **Problem Solving:** Excellent analytical and problem-solving skills, with the ability to quickly grasp complex problems and devise effective solutions.
- **Collaboration and Teamwork:** Experience working in collaborative environments, participating in group projects, and effectively communicating ideas and progress to team members.

## Key Projects



### ● Camp OAC - Fundraiser Website (Capstone Software Engineering Project)

[GitHub Repository](#)

- Developed a mobile-friendly website in collaboration with Rotary Club International and CAMP OAC, featuring an integrated payment system for the convenient acquisition of campfire wood by the public. Implemented a user-friendly interface where users can select their location and desired quantity, resulting in an email invoice generated based on pricing. The website smoothly handles online payments and retains invoices for cash payment upon pick-up, automatically generating receipts for the transactions.
- Effectively communicated with clients to gather comprehensive project requirements and diligently sought their feedback on milestones, ensuring a harmonious alignment between their expectations and project deliverables
- Played a pivotal role as the Scrum Master in implementing Agile Scrum methodologies, fostering seamless collaboration, effective communication, and cohesive teamwork. Created and maintained a highly productive environment, enabling the team to consistently meet client deadlines, deliver projects on time, and exceed expectations.

**Tech Stack:** MongoDB, Express, React, Node, Square Payment API

## ● The Tech Ward (My Discussion Forum)

 [GitHub Repository](#)

- Tech Ward is an immersive online discussion platform hosted on the cosc360.ok.ubc.ca server, designed to emulate the functionalities of popular platforms like HackerNews and Reddit. This comprehensive full-stack project offers users the opportunity to actively engage in insightful technological discussions.
- Implemented essential features including user registration, post creation, interactive thread reactions, and rating functionalities for Tech Ward. Designed and developed a platform catering to both guest users and registered users, providing additional privileges and benefits. Enhanced user experience through the implementation of search filters, enabling effortless thread filtering across diverse topics such as programming, gadgets, and machine learning.

**Tech Stack:** HTML, CSS, JavaScript, jQuery, PHP, AJAX, MySQL, XAMPP

## ● Airbnb Listings - Data Analysis

 [GitHub Repository](#)

- Collaborated with a team to perform in-depth data analysis, focusing on the impact of host categories on listing prices and cleanliness reviews in Airbnb listings in Toronto. Utilized statistical analysis techniques to investigate whether the number of accommodated guests influenced pricing, as well as to assess which host category maintained cleaner properties on average.
- Conducted a comparative analysis of review scores between super hosts and normal hosts, examining the responsiveness of super hosts and their ability to charge higher prices. Explored the intricate relationship between price, accommodation size, and review scores, uncovering insights into how these factors interrelated within the Airbnb context.

**Tech Stack:** Python, Jupyter Notebook, Tableau, Pandas, Seaborn, Matplotlib

## ● Companion Chatbot

 [GitHub Repository](#)

- Developed and implemented a communicative agent, serving as a companion chatbot that engages in interactive conversations with users. Demonstrated the ability to provide responses emulating human-like interactions, offering comprehensive information while effectively simulating a real human persona. Facilitated engaging and meaningful dialogue, ensuring a seamless and personalized user experience as a reliable companion throughout interactions.

**Tech Stack:** Java, CoreNLP, Lemmatization, Coreference Resolution, Named Entity Recognition, Wikipedia API, Google Translate API

## Professional Experience



### ● South Asian Student Association - UBC Vice-President (Kelowna)

Sep 2020 - Apr 2021

- Played a key role in organizing and executing culturally immersive events, including festivals, and workshops.
- Collaborated closely with the President to ensure effective club management, decision-making, and event planning.
- Developed collaborations with other student organizations to broaden the club's reach.
- Facilitated bi-weekly executive meetings, ensuring effective communication, and coordination among club leaders.
- Managed club finances by creating and maintaining a budget and tracking expenses.
- Secured sponsorships for club events by proactively seeking out potential sponsors, developing partnerships with local businesses, organizations, and community sponsors, and negotiating agreements to secure financial support.

### ● Collegedunia Global Campus Ambassador (Intern, Remote)

Aug 2020 - Dec 2020

- Collected and analyzed reviews on The University of British Columbia for Collegedunia, delivering comprehensive guidance to prospective students.
- Conducted in-depth interviews with faculty members to obtain valuable insights about the university's objectives for student development and well-being.
- Managed and provided leadership to a diverse team of 15 students from various schools, offering guidance and training to enable them to achieve their targets as part of the program.
- Demonstrated exceptional leadership skills, playing a vital role in fostering a supportive and collaborative environment among program participants.