Sanjana Sharma

SOFTWARE ENGINEER

- Toronto, ON
- sharma.sanjana1512@gmail.com
- @sanjna-sharma
- https://github.com/SanjnaCodes/ sanjana

EDUCATION

BSc in
Computer Science

Lakehead University
Sep 2018 - April 2022
Thunder Bay, ON
Awarded Dean's List 2018

Programming
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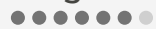
Java, MySQL
Python, Julia, HTML
C++, CSS, Kotlin
Project Documentation
Technical Writing

Complex problem-solver with a passion for designing and implementing scalable and efficient solutions. Proficient in Java and MySQL with a strong understanding of data structures and software design patterns. Seeking a software engineer position to apply technical skills and continue learning.

PROJECTS

DATA ANALYSIS (PYTHON)

- Completed data cleaning and data validation of existing datasets
- Utilized machine learning models to analyze data (Random Forest, Decision Tree, Cross Validation, Naive Bayes)

SCHOOL MANAGEMENT SOFTWARE (JAVA, MYSQL)

- Created a Java application to automatically allot streams to students using data from the database. User can view, sort, filter, and update records
- Implemented a graphic-user-interface application with Java and used JDBC to communicate with the database
- Used MySQL to store and retrieve student information and optimized database performance.

SKILLS

- Java: Proficient in writing clean, maintainable, and efficient code with knowledge of core Java libraries and frameworks
- MySQL: Experienced in designing and implementing database systems, executing queries, and optimizing performance.
- Software Design: Familiar with design patterns & software architecture, and able to apply them in projects.
- Agile and Scrum: Exposure to Agile methodologies and Scrum practices and ability to work in a fast-paced and constantly changing environment.
- Communication: Excellent written and verbal communication skills, able to work effectively in a team and present technical concepts to non-technical stakeholders.

WORK EXPERIENCE

SOFTWARE ENGINEER

InfraTechSol

Jan 2021 - Dec 2022 | Remote

- Contributed to the design and development of software applications in a team environment.
- Debugged and troubleshooted code issues using programming languages such as Java, Python, and C++.
- Collaborated with cross-functional teams to ensure successful implementation of software solutions.

INNOVATION CONSULTANT - SDR

PatSnap

Sep 2022 - Present | Toronto, ON

- Technical expertise in ML and AI offered to R&D and IP teams
- Developed new client relationships through communication
- Contributed 84K ACV within 5 months through research and business opportunity identification.

RESEARCH ASSISTANT

George Brown College, Communal Lunch Project
with partners Meal Exchange and NSERC

May 2022 - Present | Toronto, ON

- Developed programming independently and collaboratively to expand project outreach.
- Led social media marketing and strategy development.

JUNIOR COORDINATOR
Lakehead University, Food and Conference Services
April 2022 - Sep 2022 | Thunder Bay, ON

- Technical support for virtual/hybrid conferences with 200 participants, developed virtual event platform using CSS
- Coordinated communication and project updates between departments

VICE-PRESIDENT OF ADVOCACY
Lakehead University Student Union
May 2021 - May 2022| Thunder Bay, ON

- Rapidly acquired new skills for efficient and productive work
- Managed 6 student centers and 149 clubs, coordinating events for 1,500 students and overseeing $2M budget.

PROJECT ASSISTANT
Communal Lunch Project
with partners like George Brown College and Meal Exchange
Aug 2020 - June 2021 | Thunder Bay, ON

- Developed a mobile gaming app to engage students and expand the scope of the project
- Facilitated team-based communication to promote collaboration and boost team morale
- Led events, social media marketing and strategy development

PROJECT COORDINATOR, STUDENTS FEEDING CHANGE
Meal Exchange
Feb 2019 - Dec 2020 | Thunder Bay, ON

- Built strong relationships with internal and external stakeholders and devised strategies, initiatives, and events including supporting 15 provincial webinars and over 30 events.

STAFF WRITER
The Argus Newspaper
Oct 2018 - Jan 2020 | Thunder Bay, ON

- Created informational copy and blog posts on campus life using focused article research

ADDITIONAL EXPERIENCE

STUDENT UNION LIASON
Lakehead University Senate
May 2021 - April 2022 | Thunder Bay, ON

REPRESENTATIVE, ONTARIO EXECUTIVE COMMITTEE
Canadian Federation of Students
May 2021 - April 2022 | Thunder Bay, ON

- Researched relevant resources to assist members, and identified member representation needs

PLANNING TEAM MEMBER AND CO-CHAIR (2021-22)
Food Security Committee, Lakehead University
Feb 2019 - April 2022 | Thunder Bay, ON

- Oversaw committee-wide changes to modernize procedures and organization.

DIRECTOR, BOARD OF DIRECTORS
Lakehead University Student Union
May 2020 - April 2021 | Thunder Bay, ON

- Worked closely with organizational leadership to strategically affect operational direction

MEMBER, YOUTH ADVISORY GROUP
Ontario Council of Agencies Serving Immigrants
Nov 2020 - Mar 2021 | Thunder Bay, ON

- Contributed to outreach optimization and marketing strategies to reach target audience.

CHAPTER CO-FOUNDER & LEADER
Lakehead University Meal Exchange Chapter
May 2019 - April 2021 | Thunder Bay, ON

- Improved public knowledge and perception of group by utilizing social media, partnerships and news highlights.
- Secured $13,000 in funding for a project

References available upon request

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Project Management
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Problem Solving
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Leadership
● ● ● ● ● ● ○

Creativity
● ● ● ● ● ● ●