

# Puneet Sandher

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🔗 <https://p-sandher.github.io/puneet-sandher-website/>

## EDUCATION

### Bachelor of Computing in Software Engineering (Co-op), Minor in Project Management

09/2021 – 04/2026 | Guelph, ON, Canada

University of Guelph

- Cumulative GPA: 3.82/4.0
- Courses: Discrete Mathematics, Linear Algebra, Software Design, Statistics, Data Structures, Microcomputers, Object-oriented Programming, Operating Systems, Algorithms, Software Systems Development and Integration, UI Design
- Student Note Taker for Discrete Mathematics and Software Design 2
- Associated Clubs: Guelph Women in Computer Science, Women in Science and Engineering, Orientation Leader

### Technology Stewardship Program

01/2022 – 04/2022

- Collaborated in a small group on weekly case studies about integrating socio-ethical considerations in the creation of technology.

## SKILLS

### Languages:

C, Python, Java, JavaScript, HTML, CSS, SQL, R

### Libraries/Frameworks:

React, Bootstrap, Node.js, Express.js, Tailwind, Nest.js, NumPy, pandas, matplotlib, seaborn, Streamlit

### Tools

Git, Figma, VSCode, Microsoft Office, Google Suite, Docker, Trello

## PROFESSIONAL EXPERIENCE

### Web Developer

12/2022 – 04/2023 | Guelph, ON, Canada

University of Guelph

- Supported the development of a website that processes peer-reviewed articles and implemented 7 features to **improve design and efficiency** such as, integrating Qualtrics survey to collect client details.
- Improved website design by 25% by creating infographics using **React.js**.

### Undergraduate Research Assistant

05/2022 – 09/2022 | Guelph, ON, Canada

University of Guelph

- Supported faculty in the Sports Management program by leading technology research activities and advising clients (such as Paralympics Canada) on current and future practices.
- Developed a **Python** program, using **OpenCV** and **Pytesseract**, to parse 1000+ PNGs of weekly sports ratings to CSV files.
- Handled **UI/UX** website design of 10+ webpages with custom graphics using **Figma**, resulting in high client satisfaction.
- Built a website using **HTML**, **CSS**, **Bootstrap**, and **JavaScript** to display and filter academic research for a client.

### Computer Science Program Director

02/2022 – 05/2022 | Toronto, ON, Canada

Rogers Communications

- Developed and taught an 8-week afterschool computer science program to 100 at-risk youth between 6 to 12 years old.
- Collaborated with colleagues and students on course content resulting in a **45%** increase in attendance.
- Mentored students' project submissions for Rogers' annual afterschool program competition with 2 students placing in the top 5.

## PROJECTS

### Study Room Booking Application

12/2022 – present

- Built a **MERN** booking application for study rooms at UoG's library that is user-friendly and a clean UI using **React.js** and **Tailwind**.
- The server is built on a **Nest.js** Framework with **Node.js**, **Express.js** and **GraphQL API** and dockerized with **MySQL Docker** image.

### Personal Portfolio Website

12/2022

- Created a portfolio using **HTML**, **CSS**, **JavaScript** and **React.js** with content that is generated dynamically.

### S&P 500 Stock Prices Web Scraper

05/2021

- Retrieved and displayed current S&P 500 closing stock prices and filtering companies by industry, using **Python** and **Streamlit**.

### COVID-19 Data Visualizer

11/2021

- Collaborated with a team of 3 in an **Agile** environment to develop a **Python** program, using **pandas**, **seaborn** and **matplotlib**, to visualize and compare Alberta's vaccination rates based on gender and age in two regions.