

<b>Online Student Portal</b>	<a href="https://github.com/spandan3/StudentPortal">github.com/spandan3/Student Portal</a>
<b>Caffeine Tracker</b>	<a href="https://github.com/spandan3/cafflo">github.com/spandan3/cafflo</a>
<b>Technical Project Member</b> <i>ADIS</i>	Oct 2023 – Feb 2024 <i>Abu Dhabi, UAE</i>
<b>High School Prefect</b>	March 2023 – March 2024
<b>Reading for the Visually Impaired</b> <i>Hidden Voices India</i>	June 2023 – Jan 2024 <i>hiddenvoicesindia.org</i>
<b>University of Waterloo &amp; Wilfrid Laurier University</b>	Expected Graduation, Aug 2029

Spandan Chakrabarty | (437)-228-9686 | [sbchakra@uwaterloo.ca](mailto:sbchakra@uwaterloo.ca) | [linkedin.com/spandan-chakrabarty](https://linkedin.com/spandan-chakrabarty) | [github.com/spandan3](https://github.com/spandan3)

#### Technical Skills:

- Programming: Python, C, SQL, JavaScript, HTML/CSS, Racket, Bash
- Frameworks/Libraries: Flask, React.js, OpenCV, NumPy, Pandas, Matplotlib, Scikit-learn, Django, Node.js
- Developer Tools: Git/GitHub, Figma, VS Code, Linux, PyCharm, LaTeX, Firebase, Tableau, Jupyter Notebooks

#### Projects:

##### Online Student Portal

- Developed a web portal using Python, Flask, OpenCV, and MySQL
- Automated attendance and photo sorting using AI-powered face recognition
- Reduced manual processing time by 40% via database integration of face recognition

- Enhanced sustainability, increasing the accessibility and reducing paper use.

#### Caffeine Tracker

- Full-stack web app enabling users to manage their caffeine consumption
- Used React.js for UI, Firebase for user authentication, database management, and localStorage for data persistence

#### Recipe Finder

- Web application for searching and accessing detailed recipe data using Spoonacular API
- Designed user interface with React.js and styled components

#### Experience:

##### ADIS Abu Dhabi, UAE

Technical Project Member | Oct 2023 – Feb 2024

- Enhanced UI/UX of “ADIS - Save Water App” using Figma and Flutter
- Contributed to app launch on Google Play Store and Apple App Store, reaching 100+ downloads in first month

#### Leadership Experience:

High School Prefect | March 2023 – March 2024

- Organized school events and led social media campaigns to engage students

Environment Club Secretary | March 2022 – March 2024

- Conducted surveys gathering 300+ responses on water usage
- Raised awareness for sustainability coordinating recycling efforts

#### Volunteer Experience:

Hidden Voices India | Reading for the Visually Impaired | June 2023 – Jan 2024

- Read aloud competitively for audio recordings
- Conducted quality checks on recordings

#### Education:

University of Waterloo & Wilfrid Laurier University

Bachelor of Computer Science & Bachelor of Business Administration

Expected Graduation, Aug 2029

- GPA: 4.0/4.0
- Courses: Software Development, Algorithm Design, Data Structures, Linear Algebra, Calculus II, Micro & Macroeconomics, Business Frameworks, Time Value of Money