Online Student Portal   github.com/spandan3/Student Portal

Caffeine Tracker   github.com/spandan3/cafflo

Technical Project Member   Oct 2023 – Feb 2024
ADIS   *Abu Dhabi, UAE*

High School Prefect   March 2023 – March 2024

Reading for the Visually Impaired   June 2023 – Jan 2024
Hidden Voices India   *hiddenvoicesindia.org*

University of Waterloo & Wilfrid Laurier University   Expected Graduation, Aug 2029

Spandan Chakrabarty

Contact
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Github: github.com/spandan3

Professional Summary

Software Engineer with experience in building web applications and track record of applying programming
languages such as Python, C, SQL, JavaScript, HTML/CSS, Racket, Bash to resolve practical issues.

Technical Skills

Languages: 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

- Built with Python, Flask, OpenCV, and MySQL.
- Automated processes using AI-powered face recognition integrated with MySQL database, reducing manual processing time by 40%.
- Enhanced sustainability by digitizing processes, reducing paper use, and improving accessibility.

Caffeine Tracker

- Developed a full-stack web app enabling users to sign up, log their caffeine consumption.
- Utilized React.js for building an interactive UI, Firebase for user authentication / database management, and localStorage for temporary data persistence.

Recipe Finder

- Created a web app enabling users to search for recipes and access detailed information via API.
- Designed and built an intuitive interface using React.js and styled components.

Experience

ADIS Abu Dhabi, UAE (Technical Project Member, Oct 2023 - Feb 2024)
- Designed and contributed to deployment of the 'ADIS - Save Water App' on Google Play Store and Apple App Store.
- Achieved 100+ downloads within first month of release, validating market need for water conservation.

Leadership

High School Prefect (Mar 2023 - Mar 2024)
- Collaborated with teachers to organize school events and led social media campaigns to enhance student engagement.

Environment Club Secretary (Mar 2022 - Mar 2024)
- Designed and distributed surveys that gathered data from 300+ respondents on water usage. Coordinated recycling efforts within school and community.

Volunteer: Reading for the Visually Impaired @ Hidden Voices India (Jun 2023 - Jan 2024)

Education

University of Waterloo & Wilfrid Laurier University (Expected Graduation, Aug 2029)
Bachelor of Computer Science (BCS) & Bachelor of Business Administration (BBA)
GPA: 4.0/4.0
Related Coursework: Techniques for Software Development, Algorithm Design and Data Structures, Linear Algebra, Calculus II, Micro & Macroeconomics, Business Frameworks, Time Value of Money