Spandan Chakrabarty

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Education

- University of Waterloo & Wilfrid Laurier University, BCS & BBA (Expected Graduation, Aug 2029)
- 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

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: Developed a personalized student dashboard web portal. Automated attendance and photo sorting using AI-powered face recognition integrated with MySQL database. Built using Python, Flask, OpenCV, and MySQL.
- Caffeine Tracker: Full-stack web app for tracking caffeine consumption. Utilized React.js for UI, Firebase for user authentication and database management.
- Recipe Finder: Web app for recipe search via the Spoonacular API. Designed an intuitive interface using React.js.

Experience

- Technical Project Member, ADIS (Oct 2023 – Feb 2024): Designed UI/UX enhancements for the "ADIS - Save Water App". Contributed to the app's deployment on Google Play Store and Apple App Store.

Leadership Experience

- High School Prefect (March 2023 – March 2024): Collaborated with teachers to organize school events and led social media campaigns.
- Environment Club Secretary (March 2022 – March 2024): Designed surveys on water usage and coordinated recycling efforts within the school and community.

Volunteer Experience

- Reading for the Visually Impaired, Hidden Voices India (June 2023 – Jan 2024): Read aloud stories and competitive exam materials for audio recordings.