|  |  |
| --- | --- |
| **Online Student Portal** | github.com/spandan3/Student Portal |

|  |  |
| --- | --- |
| **Caffeine Tracker** | github.com/spandan3/cafflog |

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

|  |  |
| --- | --- |
| **High School Prefect** | March 2023 – March 2024 |

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

|  |  |
| --- | --- |
| **University of Waterloo & Wilfrid Laurier University** | Expected Graduation, Aug 2029 |

Spandan Chakrabarty  
  
Contact  
Phone: (437)-228-9686  
Email: sbchakra@uwaterloo.ca  
LinkedIn: linkedin.com/spandan-chakrabarty  
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