

# SAHIL SONI

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## Technical Skills

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- **Programming Languages:** C++, C#, TypeScript, Objective C, JavaScript, SQL.
- **Frameworks:** Angular, React, Loopback4, ASP .NET
- **Databases:** PostgreSQL, MongoDB, MySQL.
- **Others:** Data Structure, Algorithms, OOPS, HTML, SCSS, Agile (Scrum), Git, Jira, Figma, AWS, Postman.

## Education

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### Master of Applied Computing

Sep 2022 - Present

University of Windsor, Windsor, ON

- Available for a 4-8 month internship starting September 2023

### Bachelor of Computer Engineering

Jul 2017 - Jun 2021

Thapar Institute of Engineering and Technology, Patiala, India

CGPA: 8.28/10

## Professional Experience

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### Junior Engineer - Web Apps

Jul 2021 - Aug 2022

SourceFuse Technologies India Private Limited, India

- Developed a web-based project management system using Angular and LoopBack4, incorporating design patterns such as the Singleton, Factory, and Observer patterns to improve code maintainability and extensibility.
- Optimized database queries in PostgreSQL, resulting in a 10% improvement in query performance through indexing.
- Conducted code reviews and provided feedback to improve code quality and maintainability.

### Trainee - Web Apps

Jan 2021 - Jun 2021

SourceFuse Technologies India Private Limited, India

- Completed training in Angular and Loopback4, gained knowledge of best practices, and applied learning to contribute to live projects.
- Demonstrated a rigorous attention to detail and a relentless drive to deliver top-quality code, meeting all deadlines and milestones as scheduled.
- Engaged in agile practices, such as daily stand-ups, strategic sprint planning, and insightful retrospectives.

## Projects

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### BuildYourPortfolio – Developer's Portfolio | [GitHub](#) | [Visit](#)

April 2023 - May 2023

Technologies: React, HTML, CSS, JavaScript.

- Created a web application using React hooks, functional components, and class components with a modern, responsive design that adapts to different screen sizes.
- Implemented advanced features such as routing, lazy loading, and class components to optimize performance.
- Designed a portfolio builder form, allowing users to create a custom JSON file for portfolio by filling out a form; The user-submitted JSON file can then replace the default one and can be forked on GitHub to deploy a personalized portfolio website.

- Created a clean design and integrated useful features, making the portfolio project an effective tool for developers to showcase work and establish a professional online presence.

### Twitter Analytics – Tweets Analytics Portal | [GitHub](#) | [Visit](#)

March 2023 - April 2023

Technologies: **React, Python, Django, MongoDB.**

- Developed the dashboard using React functional components and managed state using React hooks.
- Collaborated efficiently with a team of three as a front-end developer to meet project timelines successfully.
- Integrated multiple features, such as engagement metrics, sentiment analysis, topic categorization, and identification of top-performing content, into a single consolidated dashboard.
- Displayed data analysis based on specific hashtags and user profiles.

### ZeroWaste - Smart Garbage System | [GitHub](#) | [Visit](#)

Oct 2022 - Dec 2022

Technologies: **Angular, HTML, CSS, NodeJS, MongoDB.**

- Made significant contributions to an Angular-powered dashboard, including login and signup pages with real-time validation.
- Collaborated effectively with a team of four as a front-end developer to meet project timelines efficiently.
- Integrated ngx-charts into the application to create graphical data visualizations.
- Improved application security using auth guards and enhanced user experience with a Sign-up page, demonstrating expertise in development best practices and commitment to quality.

### Publication

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#### "Co-Author", Deep learning based image classification

May 2020

SCIE journal publication

<https://doi.org/10.1007/s11042-020-08905-7>

- Conducted a comprehensive analysis of existing literature in a related field to contribute to the Literature Survey section.
- Independently analyzed the results and performance metrics generated by the model.