SIDDHARTH NAIR

📞 (705) 256-9662 ✉ nairsid2@gmail.com 🔗 linkedin.com/in/siddharth-nair2 🐙 github.com/siddharth-nair-2

Education

Algoma University **September 2019 – May 2023**
Bachelor of Computer Science (Honours) *Sault Ste. Marie, ON*
- GPA: 3.9/4

Experience

Freelance **August 2020 – January 2023**
UserTesting *Sault Ste. Marie, ON*
- Conducted 175+ usability testing sessions for digital products, analyzing design and user experience aspects to provide clients with valuable insights.
- Utilized various tools and techniques to capture real-time user interactions via video and audio recordings, enabling clients to gain firsthand understanding of user behavior.
- Delivered comprehensive feedback to clients on usability issues and improvements, contributing to the success of their digital products, with over 20 5-star reviews.

Web Developer **May 2022 – August 2022**
FlowUp *Ahmedabad, India*
- Successfully managed the migration of a legacy PHP codebase to React and Node.js, resulting in improved performance and optimization. This boosted agent satisfaction by 43%.
- Developed and deployed a full-stack web application utilizing React, Node.js, and MySQL, enabling users to seamlessly manage separate wallets for each cryptocurrency.
- Designed and implemented a sleek, modern UI for the agent dashboard using JsSIP and WebRTC technologies, streamlining customer communication and enhancing service quality.
- Applied advanced matching conditions for empty agents, resulting in reduced waiting times and faster customer response, ultimately optimizing overall service delivery.

Projects

AutoGrader | *Java, React, Node.js, MongoDB, Spring Boot, Google Cloud* **April 2023**
- Created an innovative AutoGrading application that streamlines the assignment submission process for students, while providing instructors with a powerful tool for tracking assignments and submissions.
- Leveraged the Judge0 compiler, ensuring lightning-fast compile times and optimal performance for students, while providing support for 4 different languages.
- Adopted the AntlrV4 parser and Spring Boot to detect plagiarism in new submissions, comparing to existing submissions and generating IDF-Cosine Similarity reports for instructors.

MealMate | *Xamarin, C#, .NET, Firebase, SQLite* **January 2023**
- Designed and developed MealMate, a food ordering application that allows users to browse and order over 100 food items from 8 different cuisines.
- Used the MVVM pattern to create an efficient and scalable architecture for the application.
- Leveraged Firebase Realtime Database to store user and food item data, while using SQLite to store cart details locally for optimal performance.

Arena | *React, Node.js, MongoDB, Socket.io, Axios, Heroku* **September 2022**
- Collaborated with a team of 3 students to develop a cutting-edge chat application using React and Express.js, delivering a seamless user experience and real-time chat functionality.
- Created and implemented a robust login/signup system that enables users to register and log in to chat accounts, while ensuring secure and reliable storage of user data in a MongoDB database.
- Utilized socket.io to create an advanced server-sided chat feature that allows users to send and receive messages in real-time, with added capabilities such as picture sharing and group chats with 10+ people.

Relevant Coursework

- Data Structures
- Operating Systems
- Computer Networks
- Database Management
- Artificial Intelligence
- Distributed Systems
- Algorithms Analysis
- Software Engineering

Technical Skills

Languages: Java, JavaScript, TypeScript, C#, C++, SQL, MongoDB, MySQL, MSSQL, YAML, HTML
Technologies: React, Next.js, Angular, Node.js, Spring Boot, .NET, Xamarin, Material-UI, React-Redux, CSS, SASS, Github, GitLab, VS Code, Visual Studio, IntelliJ, Eclipse, Firebase, Postman, AWS, Google Cloud