

HARSH MITHAIWALA

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- **core competencies:** self-awareness, problem-solving, communication, diligence

SKILLS

- **Core Programming Proficiencies:** Java, Python, TypeScript, JavaScript, C++, C, CSS, SQL
- **Web Technologies and Frameworks:** Node.JS, Angular JS, PHP, React, NextJS
- **Software Engineering Practices:** Agile & SCRUM Methodologies, SDLC
- **Architectural Design & Patterns:** Event-driven architecture, Microservice, MVC, Publish-Subscribe
- **Source Code Management:** Git, GitHub
- **Database:** MongoDB, MySQL, Microsoft Azure SQL, firebase
- **DevOps & Collaboration Tools:** Docker, Kubernetes, VS Code, Heroku, Monday, Slack, Loom
- **Technical Skills:** Data Structures & Algorithms, Design Patterns, Artificial Intelligence, Big Data Analytics, Bash, UML, Microsoft Azure Cloud Services, HTML, OpenAI, REST API, Object Oriented Programming

EDUCATION

Master of Engineering in Applied Computer Science	September 2022 - August 2024
Concordia University, Montreal, QC	GPA: 3.95/4.3
Bachelor of Engineering in Computer Engineering	July 2017 - May2021
Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India	GPA: 8.74/10

WORK EXPERIENCE

Web Development Intern @ Altq Financial Services	September 2023 - present
<ul style="list-style-type: none">• Developed responsive UIs with Next.js and Material-UI, guided by Figma for design consistency.• Developed and scaled robust back-end services using Node.js, Express.js, and MongoDB, optimizing RESTful API efficiency and ensuring secure, reliable data transactions.• Automated workflows with Python scripting, boosting productivity and operational efficiency.• Enhanced user interfaces with AI-driven features via OpenAI, enriching user engagement.• Secured user authentication flows with Auth0, enhancing API integrity and data encryption security.• Contributed to a collaborative development environment, employing Agile methodologies	
Graduate Engineer Trainee @ Nokia Solutions And Networks	July 2021 - August 2022
<ul style="list-style-type: none">• Oversaw the full-spectrum management of 10+ mobile networks, leveraging advanced monitoring tools for peak connectivity, and coded automation scripts in Bash and Python to streamline processes and bolster network performance.• Utilized the Nokia Cloud Service (NCS) for network configurations, employing virtualization and automation techniques that align with web services optimization, and displayed problem-solving acumen by troubleshooting server issues with Wireshark and Traceroute.• Enhanced user experience through rigorous call testing, ensuring seamless message passing and connection handling, akin to API functionality in web development, and consistently engaged in Agile scrums to foster collaborative and adaptive project management.	
Front End Developer Intern @ Supero Software	Sept-2020 - Oct-2020
<ul style="list-style-type: none">• Developed reusable UI components using Angular and MaterializeCSS, enhancing the user experience by ensuring consistent and efficient design across multiple web applications.• Implemented REST API integration in production websites, enabling seamless data retrieval and updates for dynamic, real-time content.	

- Utilized JavaScript to enhance the functionality and interactivity of web applications, contributing to improved user engagement and overall user satisfaction.

Web Development intern @ Curiosum Tech. Ltd.

April-2020 - June-2020

- Developed automation scripts using Google App Script for streamlined task processes.
- Created event-driven scripts triggered by specific events, such as form submissions and changes in Google Drive files. Also, utilized push-subscribe scripts to provide real-time notifications and updates to users of Google Apps especially Google Drive.

PUBLICATION

Title: Decentralized Blockchain-Based Framework for Securing Review System

Publisher: Springer

Publication Date: April 8, 2022

URL: https://link.springer.com/chapter/10.1007/978-981-16-9089-1_20

Summary: Developed a groundbreaking system using Ethereum blockchain to ensure the integrity and immutability of online product reviews. This solution leverages smart contracts and Decentralized Applications to automate review verification, ensuring a tamper-proof and transparent review mechanism, enhancing the credibility and security of web-based user feedback systems.

PROJECTS

INSTAGRAM INSIGHTS

- Tools: Azure Cosmos DB, Azure Blob Storage, Azure Data factories and pipeline, React, NodeJS, powerBI, MongoDB.
- Explored the concepts of distributed systems, implemented manual scaling, multi-region availability, latency reduction, data distribution, and many other aspects.
- Conducted a comparative analysis with MongoDB for better insights.

SHOW YOUR UPDATES

- **Tools:** Angular 9.0, Bootstrap, jQuery, JavaScript, Firebase
- Developed a community-driven web application allowing users to explore and engage with posts shared by different individuals.
- Implemented features for adding, editing, and deleting posts, incorporating comprehensive validation to ensure data accuracy and completeness.
- **Link:** <https://live-posts-dce78.web.app/home>

COMPILER DESIGN

- **Tools:** Core Java
- Developed a new compiler for a customized programming language with custom syntax and lexical keywords, using JAVA.
- Ensured efficient tokenization, accurate syntax analysis, reliable semantic checks, and robust error handling, resulting in a functional and user-friendly compiler.
- Helped to gain knowledge of core java concepts.

INTERESTS AND DEVELOPMENT

- Improving programming skills by solving coding problems on Leetcode to enhance programming skills in categories including backtracking, recursion, searching, sorting, and graph traversal.
- Continuously learning new Technologies and brush-up already acquired knowledge by completing courses on Test-driven development, System Design, and frameworks.