

# Sagar Khuteta

+1-716-495-9628 | [sagarkhuteta26@gmail.com](mailto:sagarkhuteta26@gmail.com) | [Linkedin](#) | [Website](#)

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, C, Golang, C#, SQL, Java, Typescript, HTML/CSS

**Frameworks:** Node js, Next js, Spring Boot, React, Redux, Angular, .NET, Jasmine, Cucumber

**Cloud Technologies:** AWS(lambda, S3, EC2)

**Databases:** MYSQL, PostgreSQL, DynamoDB, Redis, Firebase

## WORK EXPERIENCE

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### CitiusTech

Mumbai

*Software Engineer*

July 2019 – December 2021

Full-Stack Developer, Healthcare Domain, Fortune 500 Company

- Developed a microservice that optimized radiologists' training through seamless video and audio communication along with screen-sharing capabilities using Node js, React, PostgreSQL, OAuth 2.0 and React Testing Library (RTL)
- Incorporated RESTful API into a microservices architecture that optimized radiologists' training through seamless video and audio communication along with screen-sharing capabilities using Jest for unit testing
- Deployed application on AWS, ensuring optimal scalability and reliability

Full-Stack Developer, B2B Healthcare Client

- Migrated Aging and Disability department's legacy application from ASP.NET and Silverlight to .NET core and Angular and MYSQL on the database side.
- **Reduced the application's response time from 1s to 0.7s**
- Created workflows for deployment using Github Actions
- Implemented unit and integration tests and attained a **code coverage of 99.5%**
- Executed automation test scripts in Jasmine to ensure proper working of application

FrontEnd Developer, Company Initiative

- Developed UI Web Components namely Dialog-box, dropdown, Autocomplete among others from scratch using Angular elements.
- Converted above application into a library, used across the company in various projects.

## PROJECTS

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**NoteTaking App** | *React js, Node js, Express js, MongoDB, TypeScript*

April 2023

- Built a Notetaking app using the MERN stack supporting the CRUD operations and created APIs for same.
- Built a secure app by using session-based authentication.
- Built the client side application by using React and used a state management system.

**Lip Reading using Deep Learning** | *Python, OpenCV, Tensorflow, Java, Spring*

May 2018 – May 2019

- Developed the full-stack and the ML model for an Android App. It read lips movement using facial recognition
- Tested various deep learning algorithms in keras on the dataset to classify lip movements into discrete words
- Achieved an **accuracy of 93.99%** on 10 words using LSTM algorithm and published a **paper** in IEEE

**FoodMart** | *Angular, Firebase, Protractor*

Feb 2021-May 2021

- Developed a shopping portal using Angular, with features such as product catalog browsing, shopping cart, and checkout process
- Utilized Firebase for secure real-time storage of product data and user profiles
- Implemented end-to-end tests using Protractor to ensure functionality and user requirements were met

## EDUCATION

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**University at Buffalo, The State University of New York**

Buffalo, NY

*Masters in Computer Science*

Jan 2022 – June 2023

- Relevant CourseWork - Algorithms, Operating systems, Computer Networks, Databases, Distributed Systems

**Sardar Patel Institute of Technology**

Mumbai

*Bachelors of engineering, Electronics Engineering*

July 2015 – July 2019

- Relevant CourseWork - Structural Programming Approach, Object Oriented Programming, Artificial Intelligence