

Vrushab Singadia

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EDUCATION

K J Somaiya Institute of Information Technology

August 2023 - June 2027

Bachelor of Technology in Computer Engineering

SKILLS

Programming Languages Python, JavaScript, C++
Software Engineering React, Node.js, Next.js, Flask, MongoDB, Git, Typescript
Systems Engineering System Monitoring, MongoDB

WORK EXPERIENCE

Software Engineer II, Laava, Inc.

May 2023 – October 2024

- Developed and maintained website components for LAAVA, a financial consultancy company, using Next.js and JavaScript to ensure a responsive and high-performance user experience.
- Built and optimized backend services with Node.js and Express, integrating databases and APIs to streamline financial data processing.
- Implemented secure authentication and authorization mechanisms to protect sensitive financial information.
- Designed and optimized database schemas for efficient data storage and retrieval, improving overall system performance.
- Worked closely with stakeholders to understand business requirements and deliver tailored solutions that enhanced user engagement and operational efficiency.

Full Stack Engineer, Appex Tech.

November 2024 - February 2021

- Developed and maintained scalable web applications, building dynamic frontend components using React and Next.js while ensuring seamless backend integration with Node.js and Express.
- Designed and optimized RESTful APIs and database schemas to enhance data processing efficiency for fintech solutions.
- Implemented authentication, role-based access control, and security best practices to protect sensitive financial data.
- Deployed applications on AWS, utilizing services like EC2, S3, and Lambda for scalable and cost-efficient solutions.

AI Intern, Orivon Technologies.

July 2025 - Present

- Contribute to real-world projects that combine artificial intelligence with product development. Designed and optimized RESTful APIs and database schemas to enhance data processing efficiency for fintech solutions.
- Developing web and mobile applications where AI features—such as dashboards, chat tools, or recommendation systems—are integrated.

PROJECTS

RAG based Code documentation LLM agent

[Link](#)

- Designed microservice for Retrieval-Augmentation Generation application that adapts any code documentation website to feed the data to an LLM agent, which can be used by developers to find accurate information about any code query.
- Developed backend technology, used by my Assistant service to train Open AI's *gpt-3.5-turbo model* with *bge-small-en embedding* model from Hugging Face.
- Employed MongoDB as vector store for efficient storage and retrieval, ensuring fast and accurate query resolution.

Converto

[Link](#), [GitHub](#)

- A versatile media conversion tool designed to seamlessly convert images, videos, and documents into various formats with high efficiency.
- Built using Next.js and Node.js, it ensures a fast, user-friendly experience with cloud-based processing for scalability.

Weather-Aware Task Manager

[Link](#), [GitHub](#)

- A modern, feature-rich task management application built with React that integrates weather data and motivational quotes to enhance productivity.
- Weather Integration - Real-time Weather Data, Automatic weather updates for outdoor tasks based on task location and time