

# Samarth Pagaria

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## Summary

**Full-Stack Developer & AI Engineer** specializing in scalable, user-centric applications and intelligent system architecture. Skilled in Generative AI integration and LLMs using LangChain, with a growing focus on exploring **agentic AI systems**. Backed by a strong foundation in the MERN stack, delivering high-performance products from architecture to deployment. Experienced in delivering **7+ production websites** at OCMONO Avenues, alongside multiple independently built **full-stack and AI-powered projects**.

## Technical Skills

- **Languages & Databases:** Java, JavaScript, TypeScript, HTML, CSS, MongoDB, MySQL, PostgreSQL
- **Frameworks & Libraries:** Node.js, Express.js, React.js, Next.js, Tailwind CSS, TanStack Query, Zustand,
- **Artificial Intelligence:** Generative AI, LLM Integration, LangChain, LangGraph, RAG Pipelines, Prompt Engineering, Structured AI Output (Zod), Agentic AI Systems
- **Backend & APIs:** REST APIs, JWT Authentication, Bcrypt, Mongoose, Drizzle ORM, Multer
- **Tools & Technologies:** Git, GitHub, Docker, Postman, Vercel, Render, Supabase.

## Education

### Vidyalankar Institute of Technology (VIT), Mumbai

Bachelor of Technology in Computer Engineering | Expected Aug 2028

- **CGPA: 9.8** (Current)

### Government Polytechnic Mumbai

Diploma in Computer Engineering | August 2023 – July 2025

- **Score: 91.75%**

## Experience

### OCMONO AVENUES PVT.LTD | Full Stack Developer (Jan 2025 – June 2025)

Engineered and launched **7+ websites** for clients and the company, handling both backend development with **Drupal** and modern frontend implementation using **React**. Delivered end-to-end solutions that met diverse project requirements and improved web presence.

## Projects

### Strivo

Developed Strivo, a full-stack social media platform integrating **long-form video uploads** and **tweet-style posts** within a unified system. Architected scalable backend APIs to handle user data, media, and interactions, and implemented advanced frontend patterns using React and **TanStack Query** for efficient image and video handling using **Cloudinary**. Focused on clean, modular architecture to support scalability and high user engagement.

### PrepVector

Developed PrepVector, a full-stack AI platform combining an **ATS-optimized resume builder**, **voice-driven mock interview simulation** and **AI resume analysis reports**. Built a LangChain-powered pipeline to generate tailored interview questions, evaluate spoken answers in real time, and produce **structured preparation roadmaps**, using native Web Speech APIs for the voice interface and headless **Puppeteer** for resume PDF generation.

## Certifications & Extracurricular Activities

- Completed a **60-hour Credit Transfer Program in Machine Learning with Python** at **L&T Skill Trainers Academy**, building real-world AI/ML solutions.
- Completed a **40-hour Social Service Internship** at **Guild of Service Bombay**, contributing to community welfare initiatives.