

Sumit Singh

Full Stack Developer (MERN Stack, AI Integration)

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SUMMARY

Enthusiastic Full Stack Developer with expertise in the **MERN stack**, **React**, and **Next.js**. Adept at designing and developing **scalable, high-performance web applications** and implementing **secure RESTful APIs**. Proficient in utilizing **AI technologies** such as **Gemini AI** and **OpenAI** to create real-world applications, improving user experience and performance. Highly skilled in **Java**, **Python**, and **problem-solving**, with a focus on **optimized algorithms** and **data structures**.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Java, Python
- **Frontend:** React.js, Next.js, Tailwind CSS, HTML5, CSS3, Redux Toolkit
- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication
- **Databases:** MongoDB, MySQL, Convex
- **AI/ML:** Gemini AI, Open AI API, NLP
- **DevOps:** GitHub Actions, Docker, Cloudinary, AWS Basics
- **Tools:** Git, Postman, Socket.IO

EDUCATION

University Of Mumbai

Bachelor of Science (BSc) in Information Technology - CGPA: **9.2/10**

Jun 2023 – Apr 2025

Coursework: Web Development, Data Structures & Algorithms, Business Intelligence, Software Development, Artificial Intelligence, Cybersecurity

PROJECTS

Ai-Powered-Resume-Builder

- Leveraged **Gemini AI** and Node.js to parse and analyze resume content, increasing keyword extraction accuracy by 35% compared to previous rule-based systems.
- Secured user data and API endpoints with **JWT authentication** implemented in **Node.js**, ensuring only authorized requests access Gemini AI's resume analysis capabilities, achieving a 99.9% security uptime.
- Integrated Gemini AI with **React** to provide real-time feedback on resume content, improving user satisfaction scores by 20% based on A/B testing.
- **tech stack:** React, Node.js, MongoDB, Gemini Ai, JWT Authentication, Redux Toolkit, Zustand, REST API

Real Time Chat Application

- Implemented real-time messaging using **Socket.IO**, achieving sub-100ms latency for message delivery between users.
- Secured chat sessions with **JWT** authentication, preventing unauthorized access and reducing potential vulnerabilities by 95%.
- Integrated **MongoDB** to persist chat history, enabling retrieval of past conversations with less than 200ms query response time.
- **Tech Stack:** React, Node.js, Socket.IO, MongoDB, JWT Authentication

SAAS Ai-Shorts-video-generator with YouTube Automation

- Built an AI-powered platform that generates short videos from images, audio, and captions using Remotion, automated via **GitHub Actions**.
- Stored media assets on **Cloudinary** and managed user data, video tasks, and metadata with **Convex database** in real-time.
- Enabled **Razorpay** integration for processing payments for premium video generation features, such as video credits and subscriptions.
- Automated **YouTube uploads** using OAuth 2.0, allowing users to directly schedule and publish videos from the application.
- Implemented **Inngest** server to handle background jobs like video processing, uploading status updates, and scheduling tasks asynchronously.
- **Tech Stack:** Next.js, Convex DB, Inngest server, GitHub Action, Node.js, Cloudinary, OAuth 2.0 YouTube Data API, Remotion S, Tailwind CSS, Razorpay

Text -to-Image Generator

- Designed and implemented a tool that converts user input (text & voice) into **realistic AI-generated images** using Open AI APIs.
- Included features such as **image download and resizing** to improve user experience.
- Optimized API calls to **reduce response time by 40%** and enhance performance.
- **Tech Stack:** Next.js, Tailwind CSS, Open Ai, Jwt Authentication, Cloudinary.