

Satyam Maurya

B.Tech graduate and skilled MERN Stack Developer with hands-on experience in building full-stack web applications using MongoDB, Express.js, React.js, and Node.js. Proficient in creating responsive UIs and RESTful APIs. Strong foundation in computer science fundamentals and a passion for clean, efficient code. Eager to contribute to dynamic teams and develop innovative digital solutions.

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EDUCATION

Kashi Institute of Technology, Varanasi

Bachelor of Technology (Computer Science) - 7.2

Oct, 2022 - Pursing

R.P.K. Inter Collage Chhawani Line Ghazipur

12th Science Stream (U.P Board) - 71

July , 2020 - June, 2022

10th Science Stream (U.P Board) - 81

July, 2018 - June,2020

PROJECTS

Website to Make Another Website [🔗](#)

May,2025 - July,2025

- Built a full-stack **SaaS** application that allows users to **generate frontend websites** using **natural language prompts**.
- Integrated **Google Gemini Pro API** to convert text prompts into **React/HTML/CSS** code in real-time.
- Implemented a **live code editor** using **Sandpack** (CodeSandbox's core engine) for instant code preview and editing.
- Used **Next.js 15 App Router** for building scalable, optimized pages with modern routing and layouts.
- Connected **Convex** as a **serverless backend** to store user projects and manage real-time updates.
- Added **Google OAuth** for secure user **authentication** and session management.
- Integrated **PayPal** for handling **subscriptions and payments** in a **SaaS model**.
- Styled the application using **Tailwind CSS** for a clean and **responsive user interface**.

AI-Based Crop Disease Detection Website

Dec,2024 - Feb,2025

- **Tech Stack:** React.js, Tailwind CSS, Node.js, MongoDB, TensorFlow, OpenCV, Gemini API (Google AI).
- Developed a full-stack **AI-powered web application** that detects crop diseases from user-uploaded plant images.
- Integrated **Google's Gemini API** to enable **real-time plant health analysis** and conversational responses.
- Designed a **responsive, mobile-friendly interface** to ensure seamless access for farmers across devices.
- Implemented an **AI chatbot assistant** using Gemini API to deliver personalized suggestions for disease **prevention and treatment**.
- Trained a **custom ML model** with **TensorFlow and OpenCV** to accurately classify plant diseases using image data.
- Ensured **scalable backend performance** with Node.js and MongoDB for fast image processing and data storage.

AI Medical Voice Assist – Voice-Controlled Healthcare Assistant

June,2024 - Aug,2024

- Built a full-stack web application allowing users to interact with an **AI-powered medical assistant** via **natural voice commands**.
- Integrated **vapi-ai/web** for real-time voice input and response, enabling a smooth **speech-based user experience**.
- Used **google/generative-ai (Gemini Pro)** to generate accurate, context-aware **medical replies** to health queries.
- Developed with **Next.js 15 App Router**, and styled using **Tailwind CSS**, ensuring responsive and modern UI.
- Implemented **Clerk for authentication**, securing user sessions and managing sign-in flows.
- Used **Neon (Postgres)** with **Drizzle ORM** for scalable, serverless database management and structured query handling.
- Employed **Axios** for API integration and **uuid** for unique session/interaction handling.

INTERNSHIP

CollageTips Ed. Tech. Media Pvt .Ltd.

Web Development

1/04/2025 - 20/05/2025

- Collaborated with the development team to build and enhance user interfaces using React.js, HTML, CSS, and JavaScript.
- Implemented responsive web designs using Tailwind CSS and Bootstrap.
- Participated in API integration and UI optimization to improve performance and usability.
- Used Git and GitHub for version control and contributed to team workflows

SKILLS

- Languages : HTML, JavaScript , Python (Basic), C , Java (Basic)
- Libraries: CSS, React.js , React Hook, Axios .
- Frameworks: React.js , Next.js(15) , Tailwind CSS.
- Backend Libraries : Node.js , Express.js, REST API.
- Tools : VS Code , Postmen , Git , Git Hub.
- Databases: MongoDB , My SQL.

IENTEREST

Online Gaming , Traveling & Exploring , Technology & Innovation , Video Blogging & Content Creation , Cricket & Extracurricular Activities

LANGUAGE

English Fluent

Hindi Professional