

Samakcha Kumar Mishra

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EDUCATION

JSSATE - B

B.E. in Electronics and Communication Engineering

Bengaluru, Karnataka

2023 – Current

Rajendra Vidyalaya

PCM

Jamshedpur, Jharkhand

2023

PROJECTS

AI Product Manager Agent | Python, Agentic AI, LLMs, Prompt Engineering, System Prompts

- Built an end-to-end agentic AI system that converts a user idea into a complete, production-ready web product.
- Chained multiple AI agents to autonomously generate a product plan, database schema, backend APIs, UI scaffolding, and validation layers.
- Integrated Agentic AI with Next.js to demonstrate structured reasoning, planning, and execution without manual coding.
- Focused on reliability, modular agent design, and real-world full-stack workflows.
- Reduced manual product scaffolding by automating planning, design, and implementation via chained AI agents.

QuickChat | React, Tailwind CSS, Express, WebSockets, MongoDB, JWT, bcryptjs

- Built a real-time chat application using WebSockets for instant message delivery.
- Developed a responsive UI with React, Tailwind CSS, and DaisyUI.
- Implemented secure authentication using JWT and bcrypt.js with an Express.js backend.
- Used MongoDB for scalable storage of users and chat messages.

Defi-protocol | Solidity, Ethereum, Smart Contracts, ChainLink

- Developed a DeFi smart contract protocol implementing widely used decentralized finance mechanisms.
- Designed and deployed secure Solidity smart contracts with a focus on correctness, transparency, and on-chain logic.
- Followed best practices for contract structure.
- Implemented core DeFi mechanisms such as token interactions and oracle-based logic.

HACKATHONS

Smart India Hackathon

JSSATE - B

25 Sept. – 18 Nov., 2025

Bengaluru, Karnataka

- * Built a Solidity smart contract for a farmer-focused platform that securely rewards users with tokens based on validated queries.
- * Implemented per-user daily reward caps and logic to ensure incentives are distributed.
- * Focused on security, abuse prevention, and real-world usability in a decentralized incentive system.

JSS Aikyam

JSSATE - B

6 Mar. - 7 Mar., 2025

Bengaluru, Karnataka

- * Built an AI-powered website generator during a 24-hour hackathon, enabling users to create and preview websites from a single prompt using Web Containers.
- * Delivered a browser-based live preview and full code output, focusing on usability and rapid development under time constraints.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL (PostgreSQL), HTML/CSS

Frameworks Libraries: React, Node.js, Express.js, FastAPI, LangChain, LangGraph

Databases Blockchain: MongoDB, PostgreSQL, Solidity, Ethereum

Developer Tools: Git, Docker, VS Code

AI ML: Agentic AI, Prompt Engineering, HuggingFace Hub