

# 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