

# SOUMEN SAMANTA

+91 9382532340 ♦ New Town, South 24 Parganas, West Bengal



Email: [soumensamanta112233@gmail.com](mailto:soumensamanta112233@gmail.com)



LinkedIn: [soumen-samanta-029aaa239](https://www.linkedin.com/in/soumen-samanta-029aaa239)



Portfolio: [soumen3.pythonanywhere.com](https://soumen3.pythonanywhere.com)



GitHub: [Soumen3](https://github.com/Soumen3)

## OBJECTIVE

I am seeking a challenging and dynamic role in the IT industry where I can apply my technical knowledge and problem-solving skills to real-world projects. I am passionate about continuous learning and growth, and I thrive in environments that encourage innovation and collaboration. By joining a forward-thinking organization, I aim to contribute meaningfully to its success, drive impactful solutions, and further develop my expertise while adapting to the ever-evolving landscape of technology.

## PROFILE SUMMARY

- Backend Developer skilled in Python and Django.
- Experienced in building scalable and secure web applications.
- Knowledge in Python, C, C++, JavaScript, Databases.
- Won the “Most Innovative Solution” award at 360 Code Craft hackathon.
- Proficient in backend architecture, database management, and API integration.
- Strong problem-solver with excellent collaboration skills.
- Passionate about creating impactful tech solutions and continuous learning.

## PROJECT DETAILS

### 1. Project: Upgrade Lab

**Role:** Full-Stack Developer | **Duration:** Oct 2024 – Dec 2024

**Environment:** Python

**Description:**

Upgrade Lab is a web-based platform developed to enhance the learning experience by providing a comprehensive environment for coding practice, repository management, and user interaction. The platform supports multiple programming languages and offers features such as code execution, problem-solving, and repository management.

**Key Features:**

- **Code Execution:** Enabled users to write, compile, and execute code in multiple programming languages directly in the browser.
- **Problem Solving:** Implemented a problem-solving module with instant feedback on user-submitted solutions.
- **Repository Management:** Developed functionality to create, manage, and track repositories with Git integration.
- **User Profiles:** Designed user profiles to track progress, view activity, and interact with other users.
- **Chatbot Integration:** Integrated a LangChain-powered chatbot to provide instant assistance and answer user queries.

**Technologies Used:**

- **Frontend:** HTML, CSS (Tailwind CSS), JavaScript
- **Backend:** Django, Python
- **Database:** SQLite (development), PostgreSQL (production)
- **Tools:** CodeMirror (code editor), Git (version control)
- **Cloud Services:** AWS (Lambda, S3, etc.)
- user engagement by integrating a chatbot and dark mode feature.

### 2. Project: Namaste

**Role:** Full-Stack Developer | **Duration:** Jul 2023 – Jul 2023

**Environment:** Python

**Description:**

Developed a real-time chat application using Django and WebSockets to enable seamless, asynchronous

communication between users. The application leverages Django Channels to handle WebSocket connections, ensuring low-latency and efficient message delivery.

Key Features:

- **Real-Time Chat:** Enabled instant messaging between multiple users using WebSocket-based communication.
- **User Authentication:** Implemented secure user authentication and authorization to ensure data privacy and access control.
- **Message History:** Stored and displayed chat history for users to view previous conversations.
- **Room-Based Chat (Optional):** Added functionality for users to create and join chat rooms for group conversations.




Technologies Used:

- **Backend:** Django, Django Channels
- **Frontend:** HTML, CSS, JavaScript (for basic UI)
- **Database:** SQLite (development)
- **Protocol:** WebSockets for real-time communication

SKILLS

Technical Skills		Soft Skills
Programming Languages	Python, C, C++, JavaScript, SQL, HTML, CSS	Communication
Framework and Library	Django, Django REST Framework, Django Channels	
Database	MySQL, PostgreSQL	Teamwork
Version Control	Git, GitHub	
Cloud	AWS	Time Management

EDUCATION

	<b>Master of Computer Application:</b> University of Engineering and Management, Kolkata.	Expected 2025
	<b>Bachelor of Computer Application:</b> Panskura Banamali College (Autonomous).	2020 - 2023
	<b>Higher Secondary:</b> Andichak High School (H.S).	2018 - 2020

HACKATHON & ACHIEVEMENTS

360 Code Craft | March 2024

Role: Backend developer & Team Lead

Description:

Led a cross-functional team of developers and designers to create an innovative web application for generating **E-Vaccination Cards**. The project aimed to streamline the process of accessing and managing vaccination records digitally, ensuring convenience and accessibility for users.

Key Contributions:

- **Leadership:** Spearheaded the team, assigning roles, setting milestones, and ensuring timely delivery of the project.
- **Technical Implementation:** Planned and developed the application using **Python** and **Django**, ensuring a robust and scalable backend.
- **Collaboration:** Fostered a collaborative environment, encouraging open communication and efficient problem-solving among team members.
- **Innovation:** Conceptualized and executed unique features to enhance user experience and functionality.

Achievements:

- **Award:** The project was recognized with the **“Most Innovative Solution”** award for its creativity and practical impact.
- **Impact:** Delivered a functional prototype within the hackathon timeline, showcasing the team’s ability to work under pressure.

Skills Demonstrated:

- **Technical Skills:** Python, Django, web development, backend architecture.
- **Soft Skills:** Leadership, teamwork, communication, problem-solving.