Shishira Samal

BBSR| 7682056444 | shishirasamal444@gmail.com | GitHub | **in** Shishira Samal | Portfolio

PROFILE

Full Stack Developer proficient in Python, C, with strong expertise in data structures, algorithms, OOP, debugging, and software development. Skilled in HTML, CSS, JavaScript, responsive web design, FastAPIs, and MySQL, MongoDB with proven abilities in problem solving, coding, and application development.

EDUCATION

Trident Academy of Technology   **Sept 2024 - 2026**

Master Of Computer Application |SGPA – 8.26   Bhubaneswar, Odisha

Utkal University   **Sept 2021 - 2024**

BA | Percentage – 64.00%   Bhubaneswar, Odisha

SKILLS

Languages: Python, C, JavaScript, SQL

Backend: Python, FastAPIs

Frontend: HTML5, Css3

Database: MySQL, MongoDB

Version Control: Git, GitHub

PROJECTS

SHRAMIKBANDHU - Labor Hiring System (Team Project)

- Developed a **FastAPI-based backend** and **React frontend** to connect daily wage workers with employers efficiently.
- Designed **RESTful APIs** for job posting, worker matching, and employer confirmation ensuring scalability.
- Integrated **Twilio** APIs for **SMS & IVR** support, enabling accessibility for feature phone users.
- Utilized **MongoDB** for secure and optimized data management of workers, jobs, and feedback.
- Focused on **social impact** and **inclusivity**, bridging smartphone, feature phone, and no-phone users.

TalkiFLY (Chat Web Application)

- Developed a real-time chat web application with a responsive UI using **HTML, CSS, and JavaScript**.
- Implemented **Socket.io** for instant messaging, typing indicators, and online user status updates.
- Built and deployed a **FastAPI** (Python) backend for user authentication, chat management, & message handling.
- Utilized **MySQL** for relational data storage, enabling efficient management of users, chat rooms, and message history with optimized backend performance.
- Secured the platform using **JWT authentication** and **bcrypt** encryption to ensure data privacy and integrity.

VISITAL TECHNOLOGY Pvt. Ltd - Python Developer Intern (On-site)

- Built a **User Authentication System** using **JWT** and **MySQL** for secure user login and role management.
- Developed a **Task Management API** with complete **CRUD** operations integrated with MySQL.
- Implemented a **Real-Time Chat API** using **Web Sockets** for instant two-way communication.
- Configured a **Background Task Scheduler** with **Celery**, **FastAPI**, and **RabbitMQ** to handle asynchronous operations.
- Created **Python-based Web Scrapers** for automated data extraction from websites.