

SAYANTAN SAHOO

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EDUCATION

University Institute of Technology, The Burdwan University

B.Tech in Computer Science & Engineering (2024 - 2028)

Class X - 2022

Class XII - 2024

TECHNICAL SKILLS

Programming: Python, Java, C/C++, Node.js

Application Development: HTML, Bootstrap, Tailwind, React.js, Next.js, Django,

JavaScript, Kotlin, CSS, Docker, TypeScript.

Databases: PostgreSQL, My SQL, NoSQL

Data Science & AI: NumPy, Pandas, Matplotlib, SciPy, Supervised and unsupervised learning

PROJECT EXPERIENCE

Chainmuse - Chainmuse is a Web3 platform empowering creators with AI-powered tools and blockchain integration. Currently, basic AI chat, content creation, and smart contract frameworks are functional. Features like voice recognition, DAOs, royalty tracking, and financial tools (remittance, tax reporting) are still in development.

Code-Analyzer - **Code-Analyzer** is an enterprise-level Python code analysis tool that leverages AST parsing, metrics calculation, and AI integration to provide deep code insights. It detects vulnerabilities, design patterns, anti-patterns, and code smells while offering natural language querying and RAG-based semantic search over codebases.

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VIRALYTIX- VIRALYTIX is a comprehensive platform for monitoring, analyzing, and predicting viral outbreaks using advanced AI, blockchain technology, and real-time data analysis. The platform integrates multiple data sources to provide actionable insights for public health officials, researchers, and policymakers.

Agritech Assistant -A comprehensive agricultural assistance platform powered by AI and machine learning technologies. This Python-based web application provides farmers and agricultural enthusiasts with intelligent tools for crop management, disease detection, and farming optimization.

AEGIS AI- AEGIS AI is a sophisticated fraud detection system that combines artificial intelligence with traditional rule-based analysis to provide real-time transaction monitoring and risk assessment. The system uses Google's Gemini AI to analyze transaction patterns, user behavior, and contextual data to identify potentially fraudulent activities.

Binance future trading bot - The Binance Futures Trading Bot is a fully CLI-driven, Python-powered algorithmic trading engine built for Binance USDT-M Futures. Whether you're a developer experimenting with algorithmic strategies or an advanced trader wanting terminal-level control

PROJECT (GITHUB/DEPLOYMENT) LINK'S

1. <https://github.com/sahoo-tech/HACKHAZARD-PROJECT-2025.git>
2. <https://github.com/sahoo-tech/Code-Analyzer.git>
3. <https://github.com/sahoo-tech/VIRALYTIX-2.git> / (<https://hackathon-project-egq7-217a8mxah-sahoo-techs-projects.vercel.app/>)
4. <https://github.com/sahoo-tech/Agritech-AI.git>
5. <https://github.com/sahoo-tech/FRAUD-DETECTION-AI-DRIVEN-.git>
6. <https://github.com/sahoo-tech/BINANCE-FUTURES-BOT.git>

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CERTIFICATIONS

Software Engineer Certification : (By Hacker Rank)

Data Science and Machine Learning certification : (By IIT Guwahati)

INTERNSHIPS

Software Development Intern - Techplement (Aug 2024 - Sep 2024)

- Assisted in backend development, REST API creation, and code optimization.

Software Engineer Intern — Springer Capital (Oct 2025 – Dec 2025)

- Assisted in backend development and API integration using Python-based frameworks

Software Engineer Intern — Edunet Foundation (Aug 2025 – Sep 2025)

- Worked on Python-based development tasks including scripting and automation

Software Engineer Intern — Zidio Development (Jun 2025 – Aug 2025)

- Developed backend components and assisted in API creation

Back End Developer — RoboTech (Feb 2026 – Present)

- Developing and maintaining backend services using REST APIs for scalable applications

PROFILE SUMMARY

Dynamic and detail-oriented Computer Science Engineer with strong foundations in full-stack development and . Proven experience in designing scalable and secure systems, data science, and AI integration. Passionate about innovation, continuous learning, and contributing to impactful tech solutions.

SOCIAL PROFILES

<https://github.com/sahoo-tech>

<https://www.linkedin.com/in/sayantan-sahoo-8482a62a0/>

<https://sayantansahooprofile.xyz/>