

ANOUSHKA SAMANTA

Kolkata, West Bengal, India

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EDUCATION

Indian Institute of Information Technology, Kottayam, Kerala (IIITK)

2023 - 2027

B. Tech Computer Science And Engineering | CGPA: 9.95

COURSEWORK

Computer Science Fundamentals, Data Structures and Algorithms, Object Oriented Programming, Database Management System, Operating Systems.

WORK EXPERIENCE

[OT Security Huddle](#)

Bengaluru, India

Technical Content Developer Intern

Oct 2025 - present

- Created learning content on **OT cybersecurity and industrial technologies** by researching real OT incidents.
- Prepared and managed **course materials, quizzes, hands-on lab guides and LinkedIn posts** and helped organize content on the e-learning platform with quality checks.

[X-HUG.ai](#)

Texas, US

Front End Web Development Intern

Mar 2025 - July 2025

- Redesigned the website of X-HUG and Ankbyte** fixing cross-device layout issues and **improving UI consistency by 40%**.
- Improved site speed and reliability, which led to a **2x increase in client interaction**.
- Designed the marketing brochure** for X-HUG.ai to support branding and client outreach.

[Eldroga Life Sciences](#)

Chennai, Tamil Nadu, IN

Freelance Web Developer

June 2025

- Solved the problem of CKD-specific diet chart inaccessibility by building a web app that generated personalised diet plans based on CKD stage, age, and medical conditions.
- Reduced doctors' manual effort by 70%** through an exportable chart feature to ease patient sharing.
- Successfully tested with **10+ mock patient profiles** and received feedback from medical students for usability and accuracy.

SKILLS

Frontend: React.js, Next.js, Tailwind CSS, Redux Toolkit, Zustand, Shadcn UI, SEO Optimisation.

Backend: Node.js, Express.js, REST APIs, Socket.io (WebSockets), JWT, Clerk, Inngest.

Databases: MySQL, MongoDB, PostgreSQL, Prisma.

Tools & Testing: Git, GitHub, Docker, Linux, Vercel (CI/CD), Postman, Jest, Supertest.

PROJECTS

[CodeKraft](#) | AI Powered Web App Builder | [\(Github\)](#)

Jan 2026

Tech Stack: Next.js, TypeScript, Docker, Shadcn UI, Prisma, PostgreSQL, Inngest, Google Gemini API, E2B Sandboxes, Clerk

- Built an **AI-driven web application** that converts user instructions into **fully functional Next.js applications**, generating code, managing dependencies and running projects inside isolated **sandbox environments**.
- Built a **chat based project workflow** with complete message history, versioned code fragments, **live previews**, and incremental updates, allowing users to continuously modify their applications.
- Implemented **secure authentication, credit based rate limiting, usage tracking, and payment enabled plan upgrades**.

[ChatBox](#) | A Simple Chatting Application | [\(Github\)](#) | [\(See Live\)](#)

Feb 2025

Tech Stack: React.js, Tailwind CSS, React Router DOM, Node.js, Express.js, MongoDB, JWT, Socket.io

- Enabled real-time registration, login, and chat functionality using **Web Sockets**, handling **10+ concurrent users** smoothly.
- Implemented live notifications and online user status to enhance user interaction.

ACHIEVEMENTS

- Open Source Contributor:** GirlScript Summer of Code 2025 ([View Certificate](#)), Social Summer of Code 2025 ([View Certificate](#)); **10+ PRs merged** and contributed to AI-integrated MERN apps.
- All India Rank 2** in ISC 2023 (99.5%).

CERTIFICATIONS

Machine Learning Foundations-Amazon (AWS Educate)-[View Badge](#)

July 2025

Learned ML fundamentals and applied ML pipelines to real-world business problems.

Using Python to Interact with the Operating System-Google (Coursera)-[View Certificate](#)

May 2024 - June 2024

Automated system tasks, managed files/directories, and executed shell commands via Python scripts.