

EXPERIENCE

Software Developer Intern at E-CUBE Energy Infra Pvt Ltd (May 2024 – July 2024)

- Developed an **energy management software** for e-cube. It will help its clients to monitor both real time data and get historical data about various parameters of their energy consumption and SEC.
- Implemented **Pymodbus** for data collection from meters and stored it in an SQL database, building a dynamic web application using **PHP** (backend) and **Smarty** (frontend).
- Screen Recording (Demonstration)- <https://youtu.be/MJHU7BI8GRE>

Freelance

- Achieved Level 2 seller status on Fiverr, successfully completing hundreds of client projects all across the world with consistent positive feedback and high ratings.
- Created and delivered multiple high-demand gigs focused on Maintenance, Software Development, Feature Addition, Bug Fixes and CAD/CAM.
- Fiverr profile - https://www.fiverr.com/sayan_on

PROJECTS

Portfolio Website- https://nobita006.github.io/Sayan_Portfolio/
AI website for facial feature extraction , skin analysis and recommend skin-care products. Integrated GenAI (Google Gemini) chatbot to clarify any skincare-related questions. Code Link - https://github.com/Nobita006/facial-analysis-app Live link- https://nobita006.github.io/facial-analysis-app/ (Frontend hosted on GitHub Pages and Backend Hosted on AWS Lightsail with MongoDB)
PDF Insights App - A RAG application allowing users to upload PDFs, query their content, and get precise answers via a Streamlit interface. It uses MiniLM-L6-v2 embeddings, a Chroma vector database , LangChain , and GPT for efficient, context-aware responses. Code Link - https://github.com/Nobita006/Simple_RAG
Computer Vision - Hand Gesture Controlled Video Player using Mediapipe and PyAutoGUI Code Link/ Demonstration - https://github.com/Nobita006/Hand-Gesture-Video-Player
Social Media Campaign website made using html, js, php and hosted on AWS- EC2 Live link - http://ec2-13-201-57-49.ap-south-1.compute.amazonaws.com/
Chess Game Made using Pygame Library of Python while following OOP principles. Code Link- https://github.com/Nobita006/chess_with_python
CAD/CAM Portfolio Google Drive Link- CAD/CAM Portfolio Files

IMP. EXAM RANKS

JELET Rank (GMR) – 30

GATE CS Qualified | Score - 411

EDUCATION

B.E, Information Technology

Jadavpur University (2022--2025)

Diploma, Electrical Engineering (GPA: 8.4)

Jnan Chandra Ghosh Polytechnic (2019 – 2022)

Higher Secondary (XII), Science

Patha Bhavan (WBCHSE board) (2017--2019)

FINAL YEAR RESEARCH

Elliptic Curve Cryptography <https://ellipticcurvecalculator.onrender.com/>

- Exploring how ECC's mathematical foundation translates into secure cryptography.

TRAININGS

Senior Navy NCC

No. 1 Bengal Naval Unit NCC (2019 - 2022)

I am an LCDT at Navy NCC with grade 'A' in both B & C certificates.

SKILLS

Software Development, Machine Learning, Cloud Computing - AWS, Automation, RAG, Computer Vision, GenAI, Cybersecurity, Big Data, DSA, OOP, Computer Networks, OS, DAA, C, C++, Java, Python, PHP, Prolog, JavaScript, Kotlin, HTML, CSS, SQL, NoSQL, Hadoop Ecosystem, Compiler Design, Git, Fast Learner, Problem Solver, CAD/CAM

LANGUAGES

English, Bengali, Hindi (Spoken and Written)

PERSONAL DETAILS

Date of Birth - 14 June 2001 Gender - Male Address – Kolkata - 700061, India

HOBBY

Swimming, Chess, Boat Racing