

## Profile

Final-year Computer Science & Engineering student (CGPA 8.59) with hands-on experience in full-stack web development and AI-integrated applications. Built multiple production-ready projects using modern frameworks and databases. Smart India Hackathon 2023 finalist and technical blogger passionate about clean architecture and scalable systems.



## Education

- **Swami Vivekananda Institute of Science and Technology | MAKAUT** 2022 - Present  
*Bachelor of Technology in Computer Science & Engineering* CGPA – 8.59
  - **Coursework:** Data Structure and Algorithm, Design & Analysis of Algorithm, DBMS, Operating Systems, Computer Networks, Compiler Design, Fullstack web development, Generative AI
- **Jadavpur Vidyapith | WBCHE** 2020-22  
*Higher Secondary Examination* 87.6%
- **Jadavpur Vidyapith | WBBSE** 2014-20  
*Madhyamik Examination* 95.57%

## Industry Experience

- **Nature Technologies Pvt. Ltd.** Oct '25 – Present  
*Software Developer Intern, Full-time* Kolkata
  - Contributing to full-stack SaaS platform development.
  - **Technologies/Tools:** ASP.NET, React, TypeScript, Docker

## Personal Projects

- **SynapNote**   Aug '25
  - Built an end-to-end AI-powered note-taking web app enabling users to create, view, edit and delete notes, generate AI summaries, and interact with an AI assistant for their notes.
  - **Technologies/Tools:** Next.js, Tailwind CSS, Zustand, TypeScript, PostgreSQL
- **VagDevi.ai** May '22
  - Implemented an AI chatbot Text-to-text and image-to-text generation using Gemini API, Response translation in multiple languages, Secure user authentication using JWT
  - **Technologies/Tools:** React.js, Flask, Gemini API, MongoDB
- **Swarlipi** Dec '23
  - Smart India Hackathon 2023 Project
  - Built an AI-powered assistant for dubbing videos from one language to another using speech recognition and translation. Utilizes OpenAI's Whisper for speech-to-text, gTTS for text-to-speech, and OpenCV for video processing.
  - **Technologies/Tools:** React.js, Flask, OpenAI-Whisper, gTTS, OpenCV

## Technical Skills and Area of Interest

- **Programming Languages:** Java, Python, C, C#, JavaScript
- **Frontend:** React, Next.js, Tailwind CSS, Framer Motion, Shadcn, MUI, Bootstrap, DaisyUI
- **Backend:** ASP.NET core, Node.js, Express.js, Flask, FastAPI, Django(basics), REST APIs, GraphQL, JWT & Cookie- based Auth, Zod, Caching
- **Databases:** PostgreSQL, MySQL, MongoDB
- **ORMs:** Dapper, Mongoose, Prisma, PyMongo
- **Tools:** Docker, Postman, Git/GitHub, VS Code, PyCharm, IntelliJ IDEA, OAuth
- **Areas of Interest:** Fullstack Web Development, System Design, DevOps, Mathematics and Statistics.

## Position of Responsibility

- Group Leader - Coding Club, Swami Vivekananda Institute of Science & Technology, Kolkata 2025
  - **Responsibilities:** Mentoring juniors in the field of fullstack web development
- College fest website development - Swami Vivekananda Institute of Science & Technology, Kolkata 2024 - 2025
  - Developed college fest website using React, Chakra UI and Tailwind CSS.

## Achievements

- **SIH'23 finalist:** Participated in the Smart India Hackathon 2023 finale at CGC Landran, Punjab. Dec '23