

EDUCATION

•Brainware University, Kolkata

Aug 2022 – Aug 2026

Bachelor of Technology in Computer Science and Engineering (AI & ML)

CGPA: 7.80/10

– Relevant Coursework: Object Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Cloud Computing.

PERSONAL PROJECTS

•Virtual Search Engine Using Visual Language Model

Feb – Mar 2025

An AI-powered system enabling image-based search queries without textual input.

– Developed a visual search engine allowing users to retrieve results using only images.

– Leveraged state-of-the-art Vision-Language Models (VLMs) for semantic similarity detection.

– Trained on custom datasets to improve accuracy in non-standard image inputs.

– Designed a user-friendly interface with Streamlit for real-time visual querying.

– Tech Used: Python, TensorFlow, OpenCV, Streamlit.

•Responsive To-Do List Web Application

Dec 2024

A task management tool designed with responsiveness and usability in mind.

– Created a clean, responsive UI that adapts to both desktop and mobile views.

– Implemented CRUD operations for task handling using JavaScript.

– Ensured data persistence using browser local storage.

– Tech Used: HTML, CSS (Flexbox, Media Queries), JavaScript.

•Personal Portfolio Website

Mar – Apr 2025

Professional portfolio highlighting expertise, experience, and standout projects.

– Crafted with React and Next.js to deliver rapid routing and enhanced SEO performance.

– Seamlessly integrated Framer Motion for captivating animations and smooth transitions.

– Implemented image optimization and lazy loading to maximize performance.

– Technologies Utilized: React.js, Next.js, Tailwind CSS, Framer Motion.

EXPERIENCE

•Intel Unnati Industrial Training

Feb – Mar 2025

Eduagate (Remote Internship)

Online

– Worked on real-time projects that focused on AI in image search and semantic retrieval.

– Gained hands-on experience in deploying AI models using Intel DevCloud.

– Collaborated with industry mentors and peers through agile development practices.

– Enhanced my understanding of ethical AI and the importance of explainability in machine learning.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, JavaScript, C/C++	Coursework: DSA, OS, OOP, DBMS
Frameworks: React.js, Next.js, TensorFlow	Soft Skills: Leadership, Communication, Problem-Solving
Tools: Git, VS Code, REST APIs	Interests: Web Dev, AI in Education, Cloud
Database/Cloud: Firebase, MongoDB, MySQL, AWS	

POSITIONS OF RESPONSIBILITY

•Team Leader & Finalist – Multiple National Hackathons

2022 – 2024

Smart India Hackathon, DevJam, CodeUtsav

Online/Offline

– Led technical teams of 4–6 students in designing full-stack and AI-based solutions to real-world problems.

– Managed end-to-end project development including requirement analysis, prototyping, coding, and final pitch.

– Collaborated with cross-functional peers to ensure timely delivery and high-impact presentations.

– Received jury appreciation and finalist awards for innovation in health-tech and ed-tech domains.