

Education

- **Techno Main Saltlake ,West Bengal**
Bachelor of Technology in Computer Science & Engineering (Artificial Intelligence and Machine Learning) | *Grade : 8.57 (till 4th Semester) | (Nov 2022 - July 2026)*
- **Saltlake Shiksha Niketan**
Central Board of Secondary Education - XII | Percentage - 94.8% |(2022)
- **Saltlake Shiksha Niketan**
Central Board of Secondary Education - X | Percentage - 93.8% | (2020)

Projects

- **RepX-AI - Automatic AI Report Evaluation Classroom**
Full Stack MERN and AI based Automatic AI Evaluation Classroom with complete frontend, backend,database and ML model , authentication as a teacher or student , teacher can post assignments and let the students join using assignment Code where students are able to submit and view their assignments . And the respective teacher has access to all the assignments and with one click can evaluate all the submitted assignments and Grade them . Also inculcated feature to edit the marks once it has already been evaluated by ML model ,ensuring consent of Teacher as well . All together this application eases the work of the teacher. It was a Group Project . Majorly worked on the Frontend and Backend of the application.
Technologies Used - MongoDB , Cloud Storage(Firebase) and authentication (Firebase and MongoDB) , React JS, Node JS , Express JS , Tailwind CSS , Python (Open CV) , Tensorflow.
GitHub Repo - <https://github.com/Rep-X-AI> | Website URL - <https://repxai.vercel.app/>
- **ShopNest - MERN Full Stack Ecommerce Website**
Full Stack responsive Ecommerce Application built on the MERN Stack and Firebase . Features involve Sellers to add and update their products and profiles , buyers being able to wishlist the items , add or remove them into their cart and place orders , and receive orders. Additionally AI Style Assistant ChatBot is also integrated .
Technologies used - React JS , Tailwind CSS , MongoDB , Express JS ,Node JS ,
Firebase(Authentication and Storage)
GitHub repo-<https://github.com/PretishaSahoo/ShopNest-B> | <https://github.com/PretishaSahoo/ShopNest>
Website URL - <https://shop-nest-olive.vercel.app/>
- **StudyGennie-One stop study assistant (Hack4Bengal Hackathon Project)**
It is an innovative ed-tech platform to revolutionise the learning process for students . Key features include the ability to upload PDFs, text documents, or YouTube videos; generate comprehensive notes for quick study; create summaries for fast review; and produce relevant questions and answers. Additionally, chats, notes, summaries, and prompts are securely encrypted to ensure data privacy. This project was part of our Hack4Bengal 3.0 participation. worked on the backend of the application.
Technologies used - React+Vite , MongoDB , Firebase , Python , Pytorch , Express JS ,Node JS,Tailwind .
GitHub Org - <https://github.com/CodeFusers/> | Website URL - <https://studygenie-cf.vercel.app/>
- **ChitChat - A realtime Chat Application**
A realtime Chat Application built on ReactJS and Firebase . It is a full stack web application that includes features like realtime chat updates , storage of images , functionality of blocking unblocking ,etc. The messages are encrypted to enhance the security.
Technologies - React JS , Tailwind CSS , Firebase .
GitHub Repo -<https://github.com/PretishaSahoo/ChitchatPro> | Website URL - <https://chitchat-pro.vercel.app>

Skills

- Programming Languages : Java , Python .
- Web Development : React JS , HTML , CSS, Javascript , Node JS , Express Js , MongoDB , Vercel.
- Frameworks - Bootstrap , Tailwind CSS , Firebase .
- Tools - VSCode , Postman , GitHub (Version Control)

Achievements

- Finalists at Hack4Bengal 3.0 (2024) - Eastern India's largest Hackathon .