

ARANYA MONDAL

4th Year BTech in Computer Science and Engineering
SRM Institute of Science and Technology, Chennai, Tamil Nadu

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ACADEMIC PROJECTS

GeoPixel Analyzer

SRM IST, Chennai

Jan 2025 – Apr 2025

- Built an AI-powered satellite image analyzer using Streamlit to detect climatic changes and river water level differences before and after natural disasters.
- Utilized machine learning with thresholding techniques to classify land and water regions, supporting SDG 13 (Climate Action).
- Delivered a complete reporting system generating Excel sheets with pixel-wise RGB and binary classification data.

GearQuest – E-commerce Website

SRM IST, Chennai

Dec 2024 – Mar 2025

- Developed a fully functional, responsive e-commerce site specializing in outdoor adventure gear using PHP as backend and CSS for styling.
- Implemented modern UI design, product search, filtering features, and a dynamic shopping cart for smooth customer interaction.
- Focused on creating a visually engaging user interface with a sleek light theme and adventure-themed navigation.

Airline Reservation System

SRM IST, Chennai

Oct 2024 – Dec 2024

- Created a Java-based airline reservation system with MySQL integration for backend data management.
- Developed core features such as flight booking, ticket cancellation, and seat availability tracking.
- Ensured efficient data retrieval and updates to provide a seamless booking experience.

PROJECTS

Personal Portfolio Website

Personal Project

2024 Remote

- Built an interactive portfolio using ReactJS and Tailwind CSS.
- Showcased projects, skills, and contact info with smooth animations.
- Created a fast, responsive, and visually appealing UI for personal branding.

UltraEdit Website Clone

Personal Project

2024 Remote

- Built a fully responsive UltraEdit website clone using pure HTML and CSS.
- Focused on pixel-perfect design and layout accuracy to closely match the original UltraEdit website.
- Achieved smooth responsiveness across multiple devices without using any JavaScript.

STRENGTHS

- Hard-working Eye for detail
- Fast learner Adaptability
- Continuous learner Team Collaboration
- Attention to Deadlines

- HTML CSS
- Javascript React JS Tailwind CSS
- MongoDB 3D Modeler(Blender)

LANGUAGES

- English ● ● ● ● ●
- Hindi ● ● ● ● ●
- Bengali ● ● ● ● ●

EDUCATION

BTECH

S R M Institute of Science and Technology

Sept 2022 – May 2026

CGPA = 7.1

12th

M B International School

April 2021 – March 2022

Percentage = 70 %

10th

Burnpur Riverside School

April 2019 – March 2020