

Rupayan Auddya

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ABOUT ME

Aspiring Machine Learning Developer with a passion for AI and data-driven solutions. I'm building skills in ML algorithms, model deployment, and frontend development using React, Tailwind CSS, and TypeScript. I enjoy integrating intelligent systems with seamless user interfaces and am actively working on real-world projects to bridge AI and the web.

EDUCATION

Bachelor of Technology (B.Tech)

2023 – Present

Heritage Institute of Technology, Kolkata, India

- ✓ *Major:* Computer Science Engineering with a Specialization in Artificial Intelligence and Machine Learning.
- ✓ *Current CGPA:* 9.2/10
- ✓ *Relevant coursework:* Machine Learning, Artificial Intelligence, Data Structures, Web Development.

Higher Secondary Education

2023

Baranagar Ramkrishna Mission Ashrama High School, Kolkata, India

- ✓ *Board:* WBCHSE
- ✓ *Percentage / Grade:* 87.4
- ✓ *Subjects:* Physics, Chemistry, Mathematics, Computer Science, English, Bengali

PROJECTS

Personal AI – Mood-Based Daily Assistant

- ✓ Built an AI-driven assistant that infers user mood via brief chat interactions.
- ✓ Recommended books, movies, and songs tailored to detected mood.
- ✓ Generated mood-aligned daily schedules with integrated chatbot support.
- ✓ Unified entertainment, planning, and conversation in a single user-friendly app.

Carbon Footprint Tracker – Emissions Monitoring App

- ✓ Developed a real-time carbon footprint tracker for coal mine regions.
- ✓ Mapped high-emission zones using geospatial data and visualization tools.
- ✓ Suggested actionable paths toward carbon neutrality based on emission patterns.
- ✓ Enabled data-driven environmental decisions via an interactive dashboard.

SKILLS

- ✓ **Languages:** Python, C, C++, JavaScript, TypeScript, R
- ✓ **Frameworks & Libraries:** React.js, Next.js, Tailwind CSS, Node.js, Express, Flask, TensorFlow, PyTorch, scikit-learn, OpenCV
- ✓ **Tools & Platforms:** Git, Docker, Firebase, Vercel, Postman, MongoDB, MySQL, Linux (WSL/Ubuntu)
- ✓ **AI/ML:** NLP, Computer Vision, Recommendation Systems, Model Training & Evaluation, Sentiment Analysis
- ✓ **Web & App Development:** Full-Stack Web Apps, REST APIs, Chatbots, Progressive Web Apps
- ✓ **Other:** Geospatial Analysis, Data Visualization, Environmental Monitoring Systems