

ANIRBAN MUKHERJEE

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Education

VIT BHOPAL UNIVERSITY, Bhopal, MP
BTech. in Computer Science

Jun 2022-Mar 2026
CGPA:7.8/10

Technical Skills

- Python, JavaScript, Java, C, React.js, Node.js, Express.js, HTML, CSS, MongoDB, Machine Learning, Deep Learning, NLP, Computer Vision, YOLOv8, Hugging Face, OpenCV.

Projects

Next Sentence Predictor(GEN AI)

Mar 2025-Apr 2025

- Developed a next-sentence predictor using Python and Streamlit, showcasing practical Natural Language Processing (NLP) skills.
- Integrated Hugging Face's GPT-2 model to create a user-friendly web app that generates creative and coherent text variations.
- Engineered core features including customizable output length, multiple sequence generation, and adjustable randomness, demonstrating an understanding of generative AI model control.
- Successfully deployed a generative AI model within a user-friendly application, highlighting the ability to move from model development to a functional end-user tool.

Food Delivery Website(MERN Stack)

Jan 2025-Feb 2025

- Built a full-stack food delivery web application, demonstrating expertise in end-to-end software development.
- Engineered a dynamic and responsive user interface with React.js, prioritizing a minimalist design for an enhanced user experience.
- Developed a robust backend using Node.js and Express.js to handle user, order, and restaurant data.
- Integrated a MongoDB database to efficiently manage and store key application data, showcasing practical database management skills.

Hand Sign Detection(Machine Learning)

Dec 2024-Jan 2025

- Developed a real-time hand sign detection model using YOLOv8, demonstrating expertise in object detection and deep learning.
- Achieved high accuracy by training the model on a custom dataset to recognize and classify various hand gestures, including numbers, letters, and symbols.
- Leveraged computer vision libraries like Python, OpenCV, and Ultralytics to implement the solution, showcasing a strong command of modern AI tools.
- Built a practical application of AI, showcasing the ability to deploy deep learning models for real-world, interactive use cases.

Achievements and Certifications

- Reached Round 2 of the Adobe Hackathon, demonstrating strong problem-solving and collaboration skills in a competitive environment.
- Certificates: Deep Learning, ML, MERN