Aniruddha Bhattacharjee
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EDUCATION

Vellore Institute of Technology, Bhopal, Madhya Pradesh   **2022 - 2026**
B.Tech - Computer Science and Engineering - CGPA - 8.73/10

De Nobili School CMRI, Dhanbad, Jharkhand
ICSE Class-X - 96%   **2019**
ISC Class-XII - 89%   **2021**

TECHNICAL SKILLS

- **LANGUAGES**: C++, C, Python, JavaScript, Java, MySQL, MongoDB, SQLite,
- **TECHNOLOGIES/FRAMEWORKS**: HTML5, CSS3, Bootstrap, Tailwind, React JS, Node JS, Express JS
- **DEVELOPER TOOLS**: VS Code, Postman, Git, Github, Google Maps API, Cursor AI, Claude Code, Copilot, ChatGPT, Gemini, Perplexity, Groq AI, MS Office Suite, Canva
- **CONCEPTS**: Data Structures, Algorithms, DBMS, Object Oriented Programming, Asynchronous Programming

PROJECT EXPERIENCE

RideReady CAB BOOKING APP [Live Link] [GitHub Link]
Technologies/Tools: HTML, CSS, JS, React, Node, Express, Google Maps API, JWT, MongoDB, Mongoose
- Built a web app that lets users **book rides**, track drivers in **real-time**, and view routes using the **Google Maps API**.
- Implemented **role-based access** with separate **Captain** and **User** logins, connecting frontend and backend via **REST APIs**.
- Handled **ride data, user sessions**, and **location services** using a scalable **MERN stack** architecture.

MENTAL WELLNESS CHATBOT [Live Link] [GitHub Link]
Technologies/Tools: Python, BeautifulSoup, LangChain, Sentence-Transformers, LLaMA 3 (Groq API), ChromaDB, Streamlit.
- Developed an **AI-powered mental wellness chatbot** using a **Retrieval-Augmented Generation (RAG)** pipeline with empathetic, evidence-based responses.
- Automated **data scraping and parsing** with **BeautifulSoup**, organized topic-wise mental health content for semantic search and retrieval.
- Integrated **LLM (Meta LLaMA 3.3-70B-Versatile)** via LangChain and deployed a user-friendly **Streamlit interface** with real-time chat and session memory.

E VOTING WEB APPLICATION [Live Link] [GitHub Link]
Technologies/Tools: HTML, CSS, JS, Node, Express, JWT, MongoDB, Mongoose
- Developed a full-stack **E-Voting** web app with **CRUD operations** to manage user registration, authentication, and voting data using **MongoDB**.
- Implemented **Aadhaar-based login** with **JWT authentication** and secured user sessions.
- Connected frontend and backend using **RESTful APIs** for seamless data handling.

CERTIFICATIONS

- The Complete Full-Stack Web Development Bootcamp (Angela Yu) - Udemy
- The Bits and Bytes of Computer Networking - Coursera
- Cloud Computing - NPTEL
- Full Stack Development (MERN) with MongoDB - SmartBridge
- Python and Flask Bootcamp: Create Websites using Flask! (Jose Portilla) - Udemy

CODING PLATFORMS

- **Leetcode**: Solved 100+ problems, enhancing algorithmic thinking and problem-solving skills.
- **GeeksforGeeks**: Solved 40+ problems, enhancing algorithmic thinking and problem-solving skills.
- **HackerRank**: Achieved 3-star Silver SQL badge by solving 300+ points worth of problems, demonstrating proficiency in joins, aggregations, subqueries, and complex data retrieval.

ADDITIONALS

INDUSTRIAL VISITS AND EXPERIENTIAL LEARNING   **Sept 2024 - Oct 2024**
Organized by **VIT Bhopal University**
Participated in workshops and seminars with leading organizations such as ISRO NRSC, L&T Metro Rail, BSNL - RTTC, IKP Knowledge Park, and Auto Cluster Development Institute. Gained insights into automation, IoT integration, AI/ML, e-mobility, telecommunications, network infrastructure, satellite technology, remote sensing, and biotechnology AI innovations.
HOBBIES: Exploring AI chatbots and agentic AI tools, Reading AI and technical blogs, Solving DSA problems, Playing chess, and Solving the Rubik's cube.

LANGUAGES: English, Hindi, Bengali