CHIRADEEP BANIK

📞 +91 7085927471 | ✉ chiradeep13@gmail.com | 📍 Tripura, India | 🔗 Chiradeep-Banik

EDUCATION

- **BTech Computer Science and Engineering**   **2020 - 2024**
  National Institute of Technology, Agartala   CGPA- 8.9/10
- **High School**   **2019 - 2020**
  Ramakrishna Mission Vidyalaya, Tripura   93.4%

EXPERIENCE

- **Back-End Developer - Growquest**   **June 2024 - Ongoing**
  - Designed and Built a Scalable **Backend for Invoice and Vendor management** software.
  - Worked with a **team of developers** on developing software from **ideation to production.**
- **Project Intern - Fractal Analytics**   **May 2023 - July 2023**
  - We worked on a **FullStack AI application** that creates a bot to communicate with any **given document**.
  - Used **HyDE** and other **embedding techniques** to **improve similarity search** and thus improve the Bot results.
  - Used **FastAPI** to create the **backend** for the web application.
- **Full-Stack Intern - Agumentik Group of Companies** **May 2022 - July 2022**
  - Worked on the **NodeJS backend** with **ExpressJS** and **MongoDB**.
  - We used **ReactJS** to build an **Admin Website**.
- **Freelancing**   **April 2021 - August 2021**
  - Used **MQL4** to make a **Forex Trading Bot** using simple arbitrage.
  - We built a simple **RSI indicator** using MQL4 as per the client's requirements.

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, C, C++, MQL4
- **Libraries and Tools:** NodeJS, MongoDB, Git, FastAPI, Langchain, OpenAI, MT4, GraphQL, PrismaORM, MySQL, SupraBase

PROJECTS

LLM-Studio - Python, Langchain, OpenAI
- The user can upload **their documents** and get a **personal Question & Answering bot** for their documents.
- It uses **Langchain pipeline to convert** the document into small **chunks,** then **embeddings** and storing them in a **vector database(pinecone)**.
- It then runs a **similarity search for the given query** and feeds the relevant parts to the **GPT-3.5-turbo engine to get the result**.

Financial Trading Tools
- A set of **indicators, trading bots, and scripts** made for Forex trading on the MT4 platform using **MQL4**. **Link** ↗
- A set of **Jupyter Notebooks(Python)** that **creates and tracks portfolios** for the Indian and US stock market using **Fundamental Analysis**. **Link** ↗