

ARPAN MAITY

Kolkata, West Bengal

☎ +91 8145170188

✉ rajmaity185@gmail.com

in [arpan-maity-82a84321a/](https://www.linkedin.com/in/arpan-maity-82a84321a/)

🔗 [/enderXM249](https://github.com/enderXM249)

Education

Adamas University

Bachelor of Technology in Computer Science Engineering

2020 - 2024

CGPA of 8.41

Contai High School

WBCHSE - Science -Percentage-91.3%

Year-2020

Contai, WB

Experience

Lisica Tech

Software Developer Intern

Sep 2023 – Nov 2023

Remote, India

- Responsible to create the Intelligent Intern Selection System is a machine learning driven project that optimizes the process of selecting the best intern candidates from a database
- Conducted thorough **exploratory data analysis (EDA)** and applied **KNN algorithms** to classify 2,000+ candidate profiles, resulting in a 40% improvement in recruitment efficiency and a 20% reduction in hiring time.
- Tech Stacks: **EDA, KNN, pandas, plotly, Excel**.

Projects

RAG System / Streamlit, pinecone, langchain, llm / Github / Deployed

- Creating an integrated **Retrieval Augmented Generation (RAG)** system that leverages document processing, **Pinecone Vector** Database storage, chat interface, and **Gemini AI** for responses involves several key steps to ensure a seamless and efficient interaction.
- That system capable of extracting text from diverse document formats such as PDF, Word, and CSV using using specialized libraries like **PyPDF2**, **docx**, or **pandas**.
- RAG-powered** chatbots can use company documents and knowledge bases to provide more accurate answers to customer questions. This can help **automate** customer support and website lead follow-up.

Oryza / HTML/CSS, ReactNative, machine learning, Image processing / Github / Deployed

- Developed a Agricultural app **ReactNative, Machine learning, Transfer Learning** for identification and prediction of **soil** and **fertilizer quality** and as well as **plant diseases** in real time.
- Such projects often involve the development and application of **machine learning algorithms** and **Deep Learning** that can analyze a variety of data such as **crop images**, weather, soil properties and other important factors to accurately predict the presence or occurrence of **plant diseases** and as well as **soil quality**.
- Used **ReactNative** for a dynamic and responsive User Experience app that can work on both **android** and **mac** platform, Used **transfer learning** for **image processing** and achieved more than 90% accuracy.

JavaCRUD / Java, SpringBoot, MySQL, Hibernate, Postman / Github / Deployed

- Developed a **Java SpringBoot** application that implemented full **CRUD** (Create, Read, Update, Delete) operations using **Hibernate** as the **ORM** tool to build robust, enterprise-level applications with a strong focus on data management..
- Leveraged **Hibernate** to simplify **database** interactions and abstract complex **SQL** queries for leveraging **ORM** frameworks to enhance code maintainability and efficiency.
- Utilized **Postman** for comprehensive testing of the **RESTful API** endpoints, ensuring the reliability and effectiveness of the **CRUD** functionality.

Coursework

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|----------------------------------|-------------------------------|------------------------|
| • Data Structures and Algorithms | • Object-Oriented Programming | • Computer Network |
| • Operating Systems | • Database Management System | • Software Engineering |

Achievements

LeetCode

- Currently 150+ submission on LeetCode .
- More than 70% acceptance on LeetCode submission.

Technical Skills

Languages: java, python, SQL.

Technologies and Frameworks: HTML5, CSS3, MongoDB, Django, Fast APIs, Lang chain, SpringBoot.

Developer Tools:Git, Github, Visual Studio Code, MySQL, Jupyter Notebook.

Personal Skills: Front Communication, Debugging and Troubleshooting, Leadership, TeamWork.