



AMLAN MANDAL

kolkata, West Bengal

Education

Meghnad Saha Institute of Technology
Bachelor of computer Science and Engineering
C.G.P.A - 9.25
Course - Computer Science and Engineering

Kolkata, India
Sept 2021 - July 2025

Mahammadpur Deshapran Vidyapith
Higher Secondary Education - WBCHSE
Score - 91.2 %

Purba Medinipur, India
Jun 2019 - July 2021

Uttarbarh High School
Secondary Education - WBBSE
Score - 95.43 %

Purba Medinipur, India
Jan 2013 - Feb 2019

Personal Projects

Plant Disease Prediction

NumPy, Matplotlib, Tensorflow



- Implements a cutting-edge **Convolutional Neural Network (CNN)** to classify various plant diseases using image data.
- Achieved significant accuracy(89%) in **plant disease prediction** using deep learning techniques.
- Created a **user-friendly interface** for deploying the model using **Streamlit library**

AI-powered Assistant App

Streamlit, Pillow, Google Gemini API



- Built a **multi-page web application** using **Streamlit** to showcase the **capabilities of Google Gemini AI**.
- **Chatbot** for conversational Q&A, **Image captioning** with **Gemini Pro Vision**, **Text embedding generation**.
- **Deployed the application on Streamlit Cloud** to make it publicly accessible for demonstration purposes.

IPL Auction Data Analysis

NumPy, Pandas, Matplotlib, Seaborn



- Analyzed the **IPL Auction 2022-23 dataset** to provide actionable insights into **player valuation, team strategies**.
- Evaluated **team compositions and spending patterns**, revealing franchise preferences for player types.
- Created **visualizations (bar plots, pie charts etc.)** to examine trends in player types, nationality distributions, and trends.

Skills

- | | | |
|-----------------------|---|---|
| • Languages | : | Java, Python, SQL |
| • Data Science | : | NumPy, Pandas, Seaborn, Scikit-learn, Tensorflow(beginner) |
| • Tools | : | VS code, Figma, PyCharm, Git, GitHub |
| • Soft Skills | : | Time Management, Leadership, Event Management |
| • Subjects | : | Data Structure and Algorithms, Machine Learning, Operating Systems, Object - oriented Programming |

Certificates

- **Google Cybersecurity**
by Coursera
- **Programming Approach using Python**
by Nikhil Bharat Council

Coding Profiles

- **GeeksforGeeks**
- **LeetCode**

Languages

- English
- Hindi
- Bengali