



# 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 - WBBSE  
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