



**Manish Shaw**

**Economics**

Indian Institute of Technology Bombay

23B3009

**BS**

Male

Examination	University	Institute	Year	CPI/%
Intermediate/+2	CBSE	TIGPS Hooghly	2021-23	90.23
Matriculation	ICSE	Don Bosco School Bandel	2011-2021	95

#### TECHNICAL SKILLS

- **Programming & Scripting Languages:** C++, Python, Java, SQL, Bash, Git, LaTeX
- **Tools and Technologies:** NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Keras, Scikit-learn, OpenCV, NLTK
- **Machine Learning & Other Skills:** Regression, Classification, Neural Networks, CNN

#### TECHNICAL PROJECTS

- **Perform Sentimental Analysis on Financial News Using Neural Language Processing**
  - **Objective:** To Understand the Sentiments of the Markets.
  - Scraping Data from Web using **requests**, **bs4.BeautifulSoup** and Creating New Files containing that Data.
  - Developed the Neural Language Processing Algorithm using **NLTK**.
  - Imported a Special Dictionary using **Pandas** curated for Financial Text in order to attain maximum accuracy.
- **Machine Learning based Image Classification System on coco-2017 Dataset**
  - **Objective:** To classify images into various classes.
  - Developed the image classification system using **KNN**, **SVM**, **CNN** with **Scikit-learn** and **TensorFlow** libraries.
  - Achieved a High Accuracy for all the classes using **AlexNet** architecture as a base framework.
- **Developed a ChatBot using Retrieval-Augmented Generation Enhanced with Attention Mechanism**
  - **Objective:** To develop a ChatBot using **Llama3**, **Langchain** and **GroqAPI**.
  - Parsed the Vector Embeddings and Vector DB using **Qdrant**.
  - ReRanked the Documents using **FlashRank**, thus most Useful Data is higher increasing Speed and Efficiency.
- **Apply Swiss Pairings to Conduct Matches between Teams and Update Leaderboard**
  - **Objective:** To use **Swiss Pairings** (used in Chess Tournaments) to Effectively Pair Teams.
  - Read Data using **Pandas** and Separate it into Groups using different Programming Languages for the Tournament.
  - Held Matches between the Participants making sure Each Group plays Separately from Other.
  - Used Self-Made Swiss Algorithm to pair the teams According to the Rules and Updated the Leaderbard.

#### WORK EXPERIENCE

- **AI Developer Intern at Tanumanasa**
  - Worked as an AI Developer Intern to make a Research Oriented ChatBot.
  - Co-Ordinate between the Team Members and Delegate tasks to each Person.
  - Interacted With the Clients and Pitched our Product in front of them and took their Inputs.
  - Devised a plan of Action after taking their inputs and Work to improve the efficiency and reduce costs.
- **Assistant Manager | Operations | Sales**
  - Worked in a Small-Business and helped the Owner take Crucial Decisions regaring the Business.
  - Increased the Sales by Suggesting Marketing tactics.
  - Was in charge of handling Employees and Maintain Friendly Relations with the Suppliers.
  - On-Ground Interaction with the Customers to Understand their needs and provide them with Correct Product.

#### ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Completed Certification on **Relational Database** on FreeCodCamp where I learnt about **Git**, **Bash Scripting** and **PSQL**
- Completed Certification on **Scientific-Computing and Data Analysis with Python** on FreeCodeCamp where I learnt about **Pandas**, **Numpy**, **Object-Oriented-Programming**, **RegEx**, **BinarySearchTree**
- Completed Certification on MySQL and Python on **HackerRank**

#### INTEREST AND HOBBIES

- Guitar, Gaming, Anime, Travelling.