

Pragati Jhunjhunwala

Bachelor of Technology (B.Tech)
Bioscience and Biotechnology Engineering
IIT Kharagpur 2024

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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2020 - 2024	B.Tech	Indian Institute of Technology Kharagpur	8.64/10
2020	ISC(XII)	Maheshwari Girls' School	93.5%
2018	ICSE(X)	Maheshwari Girls' School	95.3%

EXPERIENCE

- Business Intelligence Unit Intern | Axis Bank** *May' 23 - Jul' 23*
 - Created a reliable and non-redundant database for cash transaction fees recording **10M+** transactions per month
 - Built **CC-Turnover** model increasing credit card **conversion rate by 25%** using ML algorithms like **Random Forest**
 - Created a real-time dashboard to identify system vulnerabilities and **decreased incident reporting time by 20%**
- AI Consultant | Marktechpost Media Inc.** *Sep' 23 - Present*
 - Wrote **150+** blogs on latest research and innovation in the domain of **Artificial Intelligence** and related technologies
 - Studied **10+** research papers weekly to find new advancements in AI helping people in the field to stay updated
- Research Assistance in ML and AI | Chi SquareX Technologies** *Nov' 22 - Jul' 23*
 - Built deep learning models in **10+** projects over multiple domains of **deep learning and large language models**
 - Implemented ML models like **VGGNet**, and **LSTM** from scratch and fine-tuned models to fit client's requirement.
 - Leveraged popular Python libraries like **PyTorch**, and **HuggingFace** to develop and deploy advanced ML algorithms

PROJECTS

- Share And Learn** *Dec' 23 - Jan' 24*
Self Project
 - Developed a web application for users to **save and share unique DSA questions**, promoting collaborative learning.
 - Employed **Node.js** and **Express.js** to build the backend of the application and **MongoDB** for managing the database
 - Designed the application using **MVC architecture** to ensure **code clarity** and facilitate future maintenance.
- Stock Price Prediction** *Nov' 21 - Jan' 22*
Self Project
 - Developed an **LSTM-based Encoder-decoder model** for predicting stock prices achieving an **accuracy of 98.5%**
 - Outperformed ARIMA** by effectively capturing daily price variations that the ARIMA struggled to predict

TECHNICAL SKILLS AND INTERESTS

Skills: ML Algorithms (CNN, Neural Network, NLP) | DBMS (SQL, MongoDB) | Web Development(MERN)
Programming Languages and Frameworks: C | C++ | Python | Javascript | Node.js | React | Express.js | Django | Bootstrap | jQuery | HTML | CSS | MATLAB | LaTeX | PySpark | AWS | FastAPI | Big Data Processing
Libraries: Pandas | NumPy | Seaborn | Scikit-learn | BeautifulSoup | PyTorch | Pillow | NLTK | spaCy | Transformers
Software and Tools: Git - Github | VS Code | MS Excel | Terminal | Jupyter NoteBook | PyCharm | Anaconda | GCP

COMPETITIONS

- Data Analysis | General Championship** *May' 23 - Jun' 23*
 - Secured **1st place** by achieving **90% accuracy** using data from 25 sensors in a manufacturing unit to predict risks
 - Applied ML models such as **KNN and SVM**, and DL models like **CNN and ResNet**, attaining less than 0.5 accuracy.

POSITIONS OF RESPONSIBILITY

- Student Mentor | Undergraduate Council IIT Kharagpur** *Jan' 21 - Apr' 23*
 - Organized **1st Mental Well-being Sessions** for my juniors to talk openly about their concerns and support them.
 - Conducted friendly sessions with **20+juniors** on topics related to academic and non-academic life within campus
 - Arranged various sessions with **Undergraduate Representatives** on mentoring and providing guidance to juniors