



Priyanshu Rajak
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Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
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Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	

SCHOLASTIC ACHEIEMENTS

- Secured **AIR 3273** in **JEE Advanced** and **99.57** percentile in **JEE Mains Examination**.
- 6-star** coder in problem solving & Certified as **Basic & Intermediate problem solver** on **Hackerrank**.
- Solved **650+** problems in **40** days on **Leetcode**.

PROFESSIONAL EXPERIENCE

Natural Language Processing | *Credo Coders*

(May'23 - Jul'23)

- Trained Deep Convolutional Neural Network using **TensorFlow & Keras** for sentiment analysis of **Zoom call transcripts**, covering complete meetings and client-level conversations in an organizational setting.
- Utilized libraries including **Scikit Learn, Pandas, NLTK, SpaCy, TextBlob** for Named Entity Recognition and Parts of Speech Tagging tagging, Word2Vec, and **GloVe** for creating **Text Embeddings**.
- Implemented Adam optimization with **Binary Cross-Entropy loss**, achieving **87.5%** accuracy, **0.01** loss & **0.03** Mean Squared Error in sentiment analysis.

PROJECTS & TECHNICAL ACTIVITIES

Vulnerability Finder| *Self Project*

(Apr'22 - May'22)

- Developed an **Automation tool** to find **Vulnerability** in **Web applications** by providing the **link of website**.
- Enhanced application by **implementing port enumeration** and **open port reconnaissance capabilities**.
- Implemented contingency for conducting **DoS** attacks on **websites lacking captchas**, utilizing tools such as **Nmap, Dirbuster, Xsshunter, and Wfuzz** for comprehensive security assessment.

Sunshine Weather App | *Self Project*

(May'21 - Jul'21)

- Designed a **weather information app** with dynamic real-time weather updates for **designated cities & times**.
- Employed tools like **Recycler View, Volley, Shared Preferences, Fusion Provider Client, multithreading, APIs & OOP concepts** to optimize app functionality and enhance user experience.

Metro App | *Self Project*

(Mar'21 - Jul'21)

- Designed a **Metro navigation app** for determining shortest time, cost routes between stations, using **React**.
- Integrated **Dijkstra's Algorithm** in **C++** to efficiently compute optimal paths for enhanced user navigation.

Games & Cloning Apps| *Self Project*

(Nov'22 - Dec'22)

- Architeced a **online Sudoku solver application** using **Recursion & Back Tracking Algorithm**.
- Developed a **Snake web Game** using **linked-list** concept of **DSA**.
- Created a **Whats-App Web app clone** using **MongoDB, React, Express & Node**.
- Created **Amazon clone application** using **React** and **Google Firebase**.

Crypto Transaction Web App| *Self Project*

(Nov'22 - Dec'22)

- Created a **React-based website** and connected it to **Metamask**, enabling blockchain interactions.
- Designed a **Smart Contract** where **Service providers** can register themselves with their service specifications.
- Tested the website on the **Sepolia test network** to ensure its functionality within a controlled environment.
- Incorporated **Gfycat** using **REST APIs** to dynamically display live **GIFs alongside Transaction details**.

TECHNICAL SKILLS

- Programming:** C++, Python, Django, Flask, MySQL, git, Javascript, React, Solidity, LATEX
- Softwares/Frameworks:** Solidworks, Ansys, Tensorflow, Keras, OpenCV, Pytorch

EXTRA CURRICULAR ACTIVITIES

Sports & Social	<ul style="list-style-type: none">Secured Second position in State Level inter-JNV Handball.Devoted 80+ hours to educate JEE aspirants under Dhruva scheme at NSS IIT Bombay.
Miscellaneous	<ul style="list-style-type: none">Successfully completed training in NCC with an Annual Training Camp during Highschool.Awarded Governer's Award in Scout , completed seven days campaign in Pachmarhi.