

PRATIK RAI

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EDUCATION

CHANDIGARH UNIVERSITY

Bachelor of Engineering
Major in Computer Science;
Cumulative GPA: 8.54/10.0;

Chandigarh,Punjab
Aug 2020 - June 2024

MS MEMORIAL PUBLIC SCHOOL

High School
Percentage : 76.8

Motihari, Bihar
Jul 2017 - Jul 2019

PROJECTS

BLOG PORTAL

- Made a blog website using **REACT JS , NEXT JS , GRAPHQL , TAILWIND CSS**.
- It is a **CRUD** website with GRAPHQL as cms . All the schema is executed in GRAPHQL with one to many and many to one relations .
- 3 featured posts are shown on the home page which gets updated dynamically. It has been deployed on Vercel.

BANKING CHATBOT

- Designed a banking chatbot, which responds to more than 20 different users queries. All the queries have been stored in a JSON file.
- Used **Python**, and its libraries such as **Pytorch and Numpy**, along with **Neural Networks** principle to build the model.
- About 1000 epochs were used to train the model.
- Worked with a 3 member team to accomplish the project.

HOURLY ENERGY PREDICTION

- Performed an exploratory data analysis on a dataset with 1,20,000 rows, using Numpy ,Pandas ,matplotlib, seaborn libraries .
- Built a **time series** prediction model using the **XGBoost** machine learning algorithm which improved the accuracy by 6% .
- The model was able to predict energy consumption with upto 85% accuracy on testing data.

EGG CATCHER GAME

- An egg-catcher-game made using python libraries such as **Tkinter** and **Canvas**. This game represents beautiful description of **GUI programming** in python .
- The speed of the balls increases by 3x with time.

CERTIFICATIONS

- [Python and Pandas for Data Engineering](#)
- [Databases and SQL for Data Science with Python](#)
- [Responsive Website Basics: Code with HTML, CSS, and JavaScript](#)
- [Certificate of Training in React from Internshala](#)

ACHIEVEMENTS

- Solved more than 130+ DSA problems on [GFG](#), [LEETCODE](#).
- Achieved highest rating of 1659(3*) on Codechef.
- Got 3 pull requests accepted in open source repositories on github.

SKILLS

Technologies: C++ , CSS , JAVASCRIPT, SQL

Tools : VSCode , Git , Github ,Jupyter Notebook

Languages: Fluent in English , Hindi