



# Pranav Sagar

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## EDUCATION

**Bachelor of Technology - Computer Science**  
Rajasthan Technical University, Jaipur

August 2019 - July 2023

CGPA - 9.10

## SKILLS

**Programming** - Java, Python  
**Open Source** - Apache Airflow, Git, Docker  
**Databases** - MySQL, PostgreSQL  
**Data Science** - Statistics, Machine Learning, Natural language processing (NLP), Deep Learning (Basic)  
**Coursework** - Data Structures & Algorithms, DBMS, OS, Networking, OOPs, SDLC, Agile (Scrum, Kanban)  
**Cloud Platforms** - Azure, Databricks, Google Colab, AWS  
**Data Analysis** - Microsoft Power BI, Tableau, Python, SQL

## CERTIFICATIONS & COURSES

**Microsoft:** AI Fundamentals | Data Fundamentals  
**NPTEL - IIT Kharagpur:** Programming in Java  
**Udacity:** Data Science | SQL for Data Analysis  
**Deloitte:** Technology Virtual Experience Program  
**Databricks:** Databricks Lakehouse Platform  
**Udemy:** Java Programming  
**Coursera:** ML | Python & Data Structures | HTML5  
**Kaggle:** Machine Learning  
**Hackerrank:** Java & SQL

## WORK EXPERIENCE

**Data Science Intern** at Celebal Technologies

May 2022 - July 2022

Skills: Data Science · SQL · Statistics · Machine Learning · Python · Artificial Neural Networks · EDA · Data Analysis

- Delivered a Regression Model to help the client understand Carbon Dioxide Emission.
- Assisted in predicting customers who are most likely subject to churn.
- Performed EDA, Feature Engineering, and Clustering to analyze the target-specific market and improve customer satisfaction.
- Developed a content-based recommendation system for movies by analyzing user behavior and historical data.
- Trained the ANN model to improve the efficiency of the churn prediction model.

## PROJECTS

- Movie-Recommendation-System** — Machine learning, content-based filtering, Natural Language Processing (NLP), Streamlit  
Developed a content-based recommendation system for the TMDB Movies dataset utilizing advanced filtering techniques to enhance users' movie-watching experience and increase engagement by providing personalized and relevant recommendations.  
GitHub- [https://github.com/PranavSagar/DataScienceInternship\\_CT/tree/main/Movie-Recommend-System/Movie-Recommend\\_System](https://github.com/PranavSagar/DataScienceInternship_CT/tree/main/Movie-Recommend-System/Movie-Recommend_System)
- Amazon Review Sentiments**— NLP, Classification, Machine Learning  
Performed sentiment analysis on Amazon product reviews using the nltk to extract valuable insights from customer feedback. Aimed to understand customer sentiment towards different products and help businesses improve their offerings accordingly.  
GitHub- <https://github.com/PranavSagar/ReviewSentiments/>
- House Pricing Prediction with Flask deployment**— Flask, Linear Regression, Machine Learning  
This project provides an end-to-end solution for clients who are interested in predicting the cost of a house.  
GitHub- <https://github.com/PranavSagar/bostonhousepricing>
- Event Management System**— Java, Database, SQL, Swing Framework  
Developed Java GUI application for Event management with the feature of retrieving and displaying data from a SQLite database.  
GitHub- <https://github.com/PranavSagar/javansp>
- Sales Report / Dashboard**— Microsoft Power BI  
Created a sales report using Power BI to analyze the performance of the product sales and identify product sales.  
report- <https://app.powerbi.com/groups/me/reports/2deb5c79-7d0c-43fb-b3ac-1189f06574a2/ReportSection>

## ACHIEVEMENTS & ACTIVITIES

- Smart India Hackathon 2022** — National level Hackathon conducted by the Govt of India - Team Wiresharks (ID - 25116)  
**Finalist** - Worked on an offline Scholarship portal under the problem statement of MEITY (PS ID - PK851)
- Published **articles** on Medium <https://medium.com/@prnv1009> [Most viewed article: Monte Carlo Simulation]
- Achieved recognition as one of the top 10 teams at the RTU 2021 **Hackathon** and **Startup** Innovation Contest
- Winner** of 'Check and Mate' (Chess competition) in three continuous years from 2021 to 2023.
- Open Source Contribution** - Contributed to 4 open-source projects on **GitHub Hacktoberfest** 2022, successfully merged and accepted by the maintainers. Demonstrated my skills in Java and SQL.
- <https://leetcode.com/prnvsgr> - **LeetCode** Profile [ Highest rating 1451 ]

## HOBBIES AND CLUBS

**Photography Club core member (Perfect Pixels)** - Organized contests and workshops for the community of club members