



## Bharat Kumar

Bachelor of Technology  
Heritage Institute of Technology, Kolkata

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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- **Bachelor of Technology in Computer Science and Engineering(Data Science)** 2021-25  
*Heritage Institute of Technology , Kolkata* CGPA: 8.24
- **Senior Secondary Education(12th Board) - CBSE** 2019-21  
*British English School, Bihar* 84 %
- **Secondary Education(10th Board) - CBSE** 2019  
*Hanshraj Public School , Gaya* 91.16 %

## TECHNICAL SKILLS

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**Languages:** Java, HTML, Python

**Libraries :** Java Collection, Pandas, Numpy, Matplotlib

**Cloud/Databases:** Relational Database(mySql), Cloud Computing

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System.

## PROJECTS

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### •Market Basket Analysis

- Implemented association rule mining using Apriori and FP-Growth algorithms to extract high-confidence rules such as “if X, then Y” based on support, confidence, and lift metrics.
- Enhanced cross-selling strategies by identifying high-affinity product pairs, leading to data-driven marketing and personalized recommendations.
- Utilized Python, pandas, mlxtend, and Jupyter Notebook for data preprocessing, rule generation, and visualization to drive actionable business insights.

### •house price prediction

- Developed a machine learning model to predict house prices based on user preferences and key real estate features.
- Utilized Python, pandas, NumPy, and scikit-learn for data preprocessing, feature engineering, and model training to enhance prediction accuracy.
- Built a React.js frontend with Bootstrap for an interactive and user-friendly interface, enabling seamless user input and real-time predictions.

## EXPERIENCE

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### •Celebal Technologies

June 2024 - July 2024

*Data Science Intern*

Online

- Acquired proficiency in Python, Numpy, Pandas, and Exploratory Data Analysis (EDA) through practical applications and projects.
- Developed a machine learning model to predict house prices with an accuracy of 80%, using a dataset of 10000 records and advanced regression techniques.

### •Navprayas - A Group of Innovative Thoughts

May 2022 - July 2022

*referred to as the “Society” that has been registered under “Societies Registration Act of 1860”.*

- Volunteered with a registered non-profit organization under the Societies Registration Act of 1860, fostering innovation and interdisciplinary collaboration.
- Engaged with a diverse team of students and professionals across multiple academic disciplines and industries to drive educational and technical initiatives.
- Organized and led a successful Career Counseling event, providing guidance on career planning, skill development, and industry trends to help students make informed decisions.

## ACHIEVEMENTS

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- Solved 200+ Questions on LeetCode
- Scored 80% in NPTEL course on **Foundation of Cloud, IoT, and Edge ML**