

Harsh Vardhan Baudh

Final Year Undergraduate

Department of Biological Sciences & Bio-Engineering, IIT Kanpur

✉ harshvb20@iitk.ac.in | ☎ +91-7408891762

🔗 harshvb20 | 🌐 Harsh Vardhan Baudh

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute
2020 - Present	B.Tech	Indian Institute of Technology Kanpur
2020	Class XII (CBSE)	The Jain International School, Kanpur
2018	Class X (ICSE)	Radha Krishna Memorial Education Centre, Kanpur

Development Project

InnerJourney Website | Self Project | 📄Source Code | 🌐Website

May23 - July23

Objective	• To create platform for exploration, self-awareness, and guidance through counseling and mentorship
Approach	• Conceptualized & developed dynamic website using PHP and JavaScript & created wireframes sitemap design • Applied JavaScript interactive user friendly responsive design & implemented client-side validation for accurate inputs. • Utilized PHP for server-side scripting & dynamic content generation , Integrated PHP with a MySQL database • Conducted comprehensive testing to validate functionality and responsiveness & deployed the website on godaddy • Utilized Razorpay API keys (Key ID and Key Secret) for authentication and interaction with the payment gateway
Results	• Integrated interactive features & personalized recommendations , enabling virtual counseling for visitors in need • Incorporated user feedback & engagement mechanisms, fostered iterative approach to continuous improvement and tailored support • Attracted 470 users within two months , resulting in the completion of 2 online payments

KEY PROJECTS

- **Car Price Prediction** | Self Project | 📄Source Code May'22-Jul'22
 - Performed the Exploratory Data Analysis on the dataset and analysed like in **scatter plot**, **heatmap**, etc.
 - Data cleaning and Data Pre-processing Techniques are done like noisy data, missing data, etc.
 - Applied 5 Regression models: **Linear Regression**, **Decision Tree Regression**, **Random Forest Regression**, **XGBR** and **Sequential Neural Network**.
- **Credit Card Fraud Detection** | Self Project | 📄Source Code
 - Utilized precision-recall curves for model assessment in imbalanced datasets, for tailored evaluation metrics.
 - Conducted model analysis, incorporating SMOTE for accuracy boost and dat-driven decision making process
 - Addressed imbalanced data with advanced technique **SMOTE** for accuracy enhancement from 65 to 99%.
- **Algo101x** | Stamatics, IIT Kanpur Apr'22-Jul'22
 - Implemented various **Algorithms** like **Sorting**, **Binary search**, **Hashing**, **DF** & **Breadth First Search**
 - Explored important **Data Structures** like **Queue**, **Heap**, **Sets**, **Maps**, **Trees** & **Linked list**
 - Learned about the **number theory** and **math concepts** that may come across while solving the problem

TECHNICAL SKILLS

*FAMILIAR

- **Competitive Programming**
Actively participate in competitive coding contests on popular online platforms like **Codeforces**, **Codechef**, etc
 - 3-star coder on **Codechef** with a max rating of **1776**
 - **Codeforces** with a max rating of **1359**
- **Programming Languages** : C | C++ | Java | Javascript | HTML | CSS | Python | Go | PHP | SQL | React | MongoDB
- **Software and Utilities*** : Github | MS Office | NumPy | Pandas | Matplotlib | OpenCV | Seaborn | Micro-Cap | AutoDesk Fusion 360 | Android Studio | LaTeX | Banking | Finance | Trading

RELEVANT COURSES

*ONGOING COURSE

Fundamentals of Computing	Introduction to Machine Learning	Linear Algebra & ODE
Partial Differential Equation	Algorithmic Toolbox	Computational Biology

POSITIONS OF RESPONSIBILITY

- **Senior Executive , Synchronicity** | *Antaragni'21* Feb'22-Apr'22
 - Worked for and assisted in the successful organization of road trips for prelims across different cities in India
 - Ensured proper hospitality for semi-professional rock band participants and event judges in the campus for the finals
 - Assisted in the smooth and successful conduction of the grand finals of Synchronicity at Antaragni, IIT Kanpur