

Abhishek Rajora

Computer Science and Engineering | IIT Jodhpur
rajora.1@iitj.ac.in | +91-701-6845-556 | [Portfolio](#)

Github: [brillard1](#)

Linkedin: [abhishek-rajora](#)

Codeforces: [Brillard](#)

CodeChef: [Brillard](#)

Education

Rajasthan, India	IIT Jodhpur	July 2020 – July 2024
<ul style="list-style-type: none">B.Tech in Computer Science and Engineering (GPA: 7.3)		
Rajasthan, India	B.V.B. Vidyashram	July 2020
<ul style="list-style-type: none">Class 12: 93.8%		

Coursework

- Data Structures and Algorithms
- Pattern Recognition and Machine Learning
- Mathematics for Computing
- Software Engineering
- Discrete Mathematics
- Probability, Statistics and Stochastic Processes
- Digital Design
- Foundation of Quantum Information

Experience

Design Credit, IIT Jodhpur	Ubiquitous Sensor Data Analysis	Jan 2022 – Present Dr. Dip Sankar Banerjee
<ul style="list-style-type: none">• Performed data analytic techniques to recognize patterns through clustering in ubiquitous sensor data.• Utilized: Data Analytic, RNN(Recurrent Neural Networks), Behavior Analysis, Unsupervised Learning.		
PRML, IIT Jodhpur	SER: Speech Emotion Recognition	Jan – May 2022 Dr. Richa Singh
Source Code: Github Live Demo: SER <ul style="list-style-type: none">• Developed various ML models to classify emotions based on voice features like chroma vectors, mel coefficients & MFCC.• Fourier analysis is done on the time series vector(obtained from audio files using librosa library) to obtain MFCCs.• Utilized: Ravdess Dataset, Librosa, Shallow MLP, 1-D CNN, KNN, LSTM, Boosting Techniques.		

Projects

Personality Detection	Source Code: Github
<ul style="list-style-type: none">• Generated a personality detection model which performs data analysis and classifies people on the basis of posts and comments they put on social media.• Utilized: MBTI Dataset, Data Analytic, NLP, KNN, Boosting Techniques, Google Bert Tokenizer.	
SummarYT: Youtube Transcript Summarizer	Live Demo: SummarYT Source Code: Github
<ul style="list-style-type: none">• Implemented and embedded an API into the website to summarize YouTube video transcripts.• Utilized: HTML, CSS, Javascript, APIs.	
babble: A Chat Webapp	Source Code: Github
<ul style="list-style-type: none">• A simple chat web application where users can send and receive messages.• Utilized: React Js, Firebase, HTML, CSS, Javascript, Git.	
blogtek: Technical Blogging Website	Source Code: Github
<ul style="list-style-type: none">• A blogging website which allows users to write or navigate blogs containing useful technical tweaks.• Utilized: Django, HTML, CSS, Python.	
Polaroid	Source Code: Github
<ul style="list-style-type: none">• Developed a python script which applies custom designed templates in the background of images.• Utilized: OpenCV, Rawpy, Python.	

Skills

- C++
- Python
- Algorithms
- Competitive Programmer
- HTML
- CSS3
- Javascript
- React Js
- Node Js
- Django
- Data Analytics
- Firebase
- Git
- Shell
- Cloud Computing
- Verilog

POR and Achievements

- Student Guide: Counseling Service, IITJ.
- 2020 Qualified in top 2% of JEE-20, among 1.3 million students.
- 2020 Won Gold Medal in International Mathematics Olympiad conducted by SOF.