

Rajat Bhardwaj

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Sophomore | Electrical Engineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR

B.TECH IN ELECTRICAL
ENGINEERING

Expected 2022 | Jodhpur, India
cum CGPA: 8.37/10 (Till 3rd sem)

V.M. PUBLIC SCHOOL

CBSE CLASS 12

May 2017 | Hanumangarh, India
Percentage: 92.2%

BLOSSOM ACADEMY

May 2015 | Suratgarh, India
CGPA: 10.0

SKILLS

Programming Languages

• C++(proficient) • Python • HTML
• CSS • Javascript

Utility

• Git • Atom • VSCode

Web Frameworks:

• ReactJS • Express.js with Node.js

Database:

• MongoDB, SQL

LINKS

Codechef:// @ra_jatt

Codeforces:// @ra_jatt

Github:// rajatbhardwaj007

LinkedIn:// rajat-bhardwaj

COURSEWORK

MOOC'S

Data Structures And Algorithms
(University of California, San Diego)

Python 3 Programming
(University of Michigan)

Object Oriented Programming
Concepts(Self-taught)

Full stack Web-Development Course
(Udemy)

RELEVANT COURSES

Computer Programming.
Linear Algebra And Calculus.
Probability, Statistics and
Random Process.

Complex Analysis and
Differential Equations.
Signals and Systems.

PROJECTS

PATHFINDING VISUALISER FOR DIJKSTRA'S ALGORITHM

April 2020-May 2020 | Website | Github | (SELF-PROJECT)

- Built **ReactJS** application for visualizing Dijkstra's minimum path finding algorithm.
- This algorithm on this application is adapted for a 2D grid.
- Implemented a dynamic visualization system for algorithm animation using Javascript and styles using CSS.

FRIEND'S CHATBOX | WEBAPP USING NODE.JS AND SOCKET.IO

April 2020-May 2020 | Website | Github | (SELF-PROJECT)

- Created full Realtime Chat Web Application using React.js on Frontend and with **Node.js + socket.io** web socket library on the back end.
- Successfully deployed backend on Heroku and Frontend on Netlify.
- Further aiming to optimize it through MongoDB.

ONLINE HANDWRITING RECOGNITION

Jan 2020-April 2020 | Github | GUIDE- DR. GAURAV HARIT

- Used Element Tree and **Pandas** library in Python for extracting coordinates from xml file of given strokes.
- Used Bspline Curve fitting method to plot strokes approximately.

VEHICLE NUMBER PLATE RECOGNITION

Aug 2019-Nov 2019 | Github | GUIDE- DR. RAJLAXMI CHAUHAN

- Extracted Characters from a given image of number plate using MATLAB.
- Completed as a course project for Signals and Systems with a team of 5 members.

ACHIEVEMENTS

- Rated **4-star (Rating-1821)** on Codechef | @ra_jatt.
- Ranked **136** on Codechef May Long Challenge 2020 out of more than 20000+ participants.
- Rank-**2525th** globally in Google Kickstart Round B 2020 out of 10000+ coders.
- JEE Advanced 2018 AIR:**5294** among the shortlisted 2 lakh (approx.) students.

POSITION OF RESPONSIBILITIES

STUDENT REPRESENTATIVE

July 2019-July 2020

- Gained **Leadership** Qualities through taking positive decisions and handling diverse interests of students.

EXTRA CURRICULARS

- **Core Member**- Literature Club and Student Placement Cell.
- **Head**- Marketing at Aaftaab.