

Ujjawal Upadhyay

IIT JODHPUR | Portfolio
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EDUCATION

IIT JODHPUR

B.TECH IN METALLURGICAL AND MATERIALS ENGINEERING
May 2025
Rajasthan, India
Current CGPA: 6.32/10

BOSTON PUBLIC SCHOOL

Class XII | CBSE | Mar 2021
Agra, Uttar Pradesh, India
Percentage: 78%

TINY TOTS INTER COLLEGE

Class X | CBSE | Mar 2019
Tundla, Uttar Pradesh, India
Percentage: 90%

SKILLS

LANGUAGES

Proficient

- Python • C++ • C • Java
 - JavaScript • Dart • HTML • CSS
- Familiar
- LaTeX • Matlab • R • Julia

LIBRARIES/Frameworks

- React • Firebase • MongoDB
- Bootstrap • Git • Express • D3
- Flutter • Sklearn • Pandas
- Node • Flask • Discord.py

OTHER SKILLS

- Competitive Programming
- Management • Collaborative

LINKS

Codechef: [Cyphernk13](#)
Codeforces: [Cypher13](#)
Atcoder: [Cypher13](#)
Geeksforgeeks:// [Ujjawal](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Introduction to Machine Learning
Introduction to Computer Science
Introduction to Blockchain
Signals and Systems
Scientific Computations

EXPERIENCE

THAPY | WEB DEVELOPER INTERN | CERTIFICATE

Jun 2024 - Aug 2024 | Karnataka, India

- Developed a feature-rich admin dashboard with **real-time data integration**, connected to a Firebase backend.
- Provided **optimization strategies** for improving site performance, including **smooth loading** for data tables.
- **Designed and implemented** the peer page, displaying therapist information and **integrated a compact calendar** for meeting details and time slots.
- Gained proficiency in **Flutter and Dart** to contribute to Thapy mobile app development workspace.

PROJECTS

IITJ FORUM | DEVELOPMENT | GITHUB

December 2023 | React.Js | Bootstrap 5 | Mongo DB

- Developed a **user-friendly fully responsive forum web app** for IITJ students.
- IITJ Forum is a simple forum site for **online discussions** among IITJ students with an **end-to-end encrypted** login and signup page.
- Enhanced with **infinite scrolling, diverse communities and full responsiveness**, the forum provides students a seamless platform for asking and responding to queries within the campus community.

DONATE KARO | DEVELOPMENT | WEBSITE | GITHUB

July 2022 | HTML | CSS | Javascript

- Made a **fully responsive interactive website** using HTML, CSS and JS.
- **Donate Karo** is a purpose-driven platform facilitating donations to assist the less fortunate in obtaining essential goods.
- Enabled users to **donate surplus items by a collection form within the site**, fostering a community-driven effort to support NGOs in reaching those in need.

AKIO | DISCORD WEB APPLICATION | GITHUB

Dec 2022 | Python | Meta AI | Flask

- Developed an **interactive Discord bot using discord.py** with a wide range of executable commands, games, and features.
- Integrated **Meta AI** API to answer complex queries and generate AI images.
- Added **music integration** utilizing **yt-dlp** for seamless music playback.
- Implemented APIs like **Tenor** for fetching random GIFs and **Heroku** for generating random words in games like Hangman.

ACHIEVEMENTS

COMPETITIVE PROGRAMMING

2023	Google Farewell Round-A	Achieved Global Rank 1900 Certificate
2023	Codeforces-1822	Global rank 1417/24610 participants.
2024	Codechef-165(Div.2)	Global rank 304/1800 participants.

POSITION OF RESPONSIBILITY

PROGRAMMING CLUB | CORE MEMBER

April 2023 - March 2024 | IIT Jodhpur

- Problem setting for Competitive Programming contests.
- Interactive sessions teaching various algorithms.