

PRANAV MAGDUM

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in [Pranav Magdum](#)

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EDUCATION

Indian Institute of Technology (ISM) , Dhanbad

August 2021 – May 2025

Bachelor of Technology in Computer Science And Engineering

CGPA: 6.33/10

Nav Krishna Valley Gurukul School , Sangli

June 2020 – April 2021

Maharashtra State Board - 12th

94.33%

Nav Krishna Valley Gurukul School , Sangli

June 2018 – April 2019

Maharashtra State Board - 10th

95.40%

SKILLS

Technical : C, C++, HTML, CSS, JavaScript, ReactJs, jQuery, NodeJs, ExpressJs, NextJs, MongoDB, SQL, APIs.

Tools : Git, Github, Postman.

Soft Skills : Problem-Solving, Communication skills, Public Speaking, Creativity, Teamwork, Analytical and Critical thinking.

PROJECTS

VideoSoundForge

| Tech stack - **NextJS, ReactJS, Replicate API**

[Source Code](#)

- Developed VideoSoundForge, a web app that generates audio tracks from **text prompts** within seconds, saving a lot of creator's audio production time.
- Users can type desired text, from narration to sound effects, and leverage a **diverse library of AI-powered voices** and moods to infuse their videos with engaging audio.

Binary Tree Visualizer | Tech stack - **HTML, CSS, Javascript**

[Source Code](#) | [Website Link](#)

- Developed a **user-friendly** website enabling users to **input arrays and dynamically visualize** the construction of binary trees, binary search trees, and max heaps for enhanced understanding of data structures.

SQLi-proof CRUD app

| Techstack- **NodeJs, ExpressJs, Javascript ,MySQL**

[Source Code](#)

- Built a **simple full-stack** Node.js application using the Express framework and MySQL database to securely create, read, update, and delete data.
- The app demonstrates how to make queries using MySQL and how to connect it to an Express app.

Tic Tac Toe using Minimax Algorithm | Tech stack - **C++**

[Source Code](#)

- Designed and implemented an optimal tic-tac-toe game using the powerful minimax algorithm in C++ ensuring that the computer player consistently achieves **either a draw or a win**.
- Showcased strong problem-solving abilities and applied fundamental game theory concepts.

ACHIEVEMENTS

- Reached **final stage** of HACKFEST 2022 ([LinkedIN Post](#)) ([Submission PDF](#))
- Solved **350+ problems** on various coding platforms.
- **TVS Credit EPIC 5.0 IT challenge** and got selected in **top 350 out of 51000 teams** for the final round ([Case Study Submitted](#)).
- **EY Techathon 4.0** -Selected in the **top 302 out of 125,000 teams** for the second round of a hackathon([Idea_Submission_PPT](#)).
- JEE ADVANCE - All India Rank 3698
- NTSE stage 1 - State Rank 70

SPORTS PROGRAMMING

- Leetcode : [pranav4magdum](#) - 54 problems solved
- GeeksForGeeks : [magdump4](#) - 112 problems solved
- Codechef : [ratracer44](#) - 57 problems solved
- Codeforces : [magdump4](#) - 64 problems solved
- Atcoder, HackerRank , [CodingNinjas](#) - 70+ problems solved.

EXTRACURRICULARS

- Maintained an informative [YouTube channel](#)
- **Head** of Sound System Division, Ganpati Utsav 2023 at IIT ISM Dhanbad. Successfully managed a **team of 9 volunteers** to provide sound support for a **10-day** festival with over **1000 attendees**.

COURSES

- Computer Fundamentals - Data Structures, Algorithm Design and Analysis, Operating System, Object Oriented Programming, Database Management System, Probability & Statistics, Discrete Mathematics, Web Development ([Certificate](#))