MORADIYA OM BIPINBHAI

INDIAN INSTITUTE OF TECHNOLOGY DHANBAD

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Education

Indian Institute of Technology(Indian School of Mines), Dhanbad   **December 2021 – May 2025**
pursuing Bachelor of Technology in Electronics and commincations engineering   *Dhanbad, Jharkhand*

Competitive Programming

Platform	Rating	Problem Solved	Handle
Codeforces	1935 (Candidate Master)	1600+	moradiya84
Leetcode	2307 (Guardian)	900+	moradiya84
CodeChef	2266 (6-star)	200+	moradiya84
Atcoder	1404 (3-kyu)	100+	moradiya84
GeeksForGeeks	-	200+	moradiya84
Project Euler	Globally Top 1.2%	78+	moradiya84

Experience

Front-End Development intern   **Aug 2023 - Dec 2023**
Amacle Studio Inc.

- **Led two company projects**, achieving a **20% reduction in code complexity**, enhancing code maintainability.
- **Resolved 10-12 critical bugs**, improving system stability and reliability, leading to efficient and error-free operations.
- **Developed 3-4 key features for a client's website**, enhancing **user experience, site load efficiency**

Technical Projects

Lip Reading Model: (**Tech Stack:** OpenCV, TensorFlow, Numpy, Deep Learning)

- **Designed and implemented a deep learning model** that accurately predicts text from video frames through the integration of 3D convolutions and LSTMs, achieving consistently high performance across diverse test datasets
- Utilized a Connectionist Temporal Classification (CTC) loss function to handle variable-length input sequences

Big Integer Library for C++: (**Tech Stack:** C++, Object-Oriented Programming, HTML, React JS)

- **Developed a C++ library 'biginteger.h'** for efficient handling of arbitrarily large integers, effectively surpassing the limitations of traditional 32-bit(int) and 64-bit(long long) datatype, ensuring seamless computation with large numbers.
- Pioneered approach to represent and manipulate arbitrarily large integers,offering a more efficient and scalable solution.

Achievements(Links of the achievements)

- Got **ALL INDIA RANK-1(out of 1 MILLION+ candidates)** in **Mathematics in JEE Mains.**
- Currently 70th highest rated coder in India on codechef.
- Achieved Finalist Spot(**top 65 out of 38600+ Teams**)of '**Hack-On**'-2024 Hackathon conducted by Amazon.
- Achieved Finalist Spot(**top 100 out of 110k+ participants**)of '**HackWithInfy**'-2024 Hackathon conducted by Infosys at infosys Headquarter(pune) and advanced to Grand final(**Top-6 teams out of 20**).
- Achieved Finalist spot(**out of 160k+** participants) of '**Code-gladiators**'-2024 National Coding challenge .
- Winner of Doctorate level **Math Research competition 'Mathsquivesta'** by The math club of IISER kolkata.
- Finalist in 3-Mathsketeer conducted by the M&C department of IIT Dhanbad in 2022 & 2023
- Got All India Rank **4169 in JEE Advanced and 4701 in JEE Mains.**

Technical Skills

Programming Languages: C++,Python,HTML,CSS
Relevant Coursework: Computer Networks, DSA, Machine learning, Deep Learning, Operating System, System Design, OOPS.

Leadership/Position of Responsibility

- **Mentor at CODEtronics**, a society dedicated to guiding juniors in **competitive programming**.Provided **strategic approches, techniques,** and **code reviews** to improve their programming skills and succeed in coding competitions.
- **Member of the Electronics and IoT Club at IIT (ISM) Dhanbad**, where contributed to **innovative projects and workshops** focused on emerging technologies.