Aditya Maharshi

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Education

National Institute of Technology, Raipur   *Final year , (Expected May 2026)*
Bachelor of Technology (BioTechnology)   *Raipur, CG*
- **Relevant Coursework:** Data Structures and Algorithms (Java), Data Science and Statistics , BioInformatics and DBMS, Advanced Mathematics (Calculus) , OOPS , XML and Programming Fundamentals

Experience

Team Shaurya   *July 2023 – April 2025*
Club Software Developer   *Raipur, CG*
- Completed and hosted live websites using **Node.js and Express, and co-ordinated a team of 9**
- Led a cross-functional team in implementing a new feature using **React and Express, resulting in a cleaner and user-friendly design to increase user engagement**

Water Treatment Plant   *May 10th - July 10th*
Summer Internship   *2025, Bhatagaon, Raipur*
- Gained **hands-on experience in water treatment process, data analysis**, and teamwork
- Evaluated plant performance, **achieving a 98% reduction in contaminants**

Projects

1.Stock Price Prediction Web App *[here]* | *Machine Learning — Python, TensorFlow, Streamlit, GitHub*
- Developed a **Recurrent Neural Network (LSTM) model** for time-series forecasting to predict stock prices using historical market data.
- Implemented **data preprocessing (MinMax scaling, feature engineering) and technical indicators (RSI, MACD) for enhanced predictive accuracy.**
- Built an interactive dashboard using Streamlit, enabling **real-time training and price prediction** for any stock ticker.
- Tech Stack: **Python, TensorFlow/Keras, NumPy, Pandas, Matplotlib, Scikit-learn, YFinance, Streamlit, Git**

2.Pixels – Interactive Collage *[here]* | *MongoDB, React.js, Express.js, Node.js, TypeScript, Vercel, Render, Chakra*
- Designed and developed a collaborative board **where users can upload, view, and edit individual tiles in real time**
- **Implemented backend APIs for image compression , upload and retrieval, with user and timestamp metadata**
- Managed stateful UI with Chakra UI for responsiveness and deployed full project live on Vercel

Technical skills and Achievements

AI/ML: TensorFlow/Keras , Model , YFinance , NumPy , Pandas , data preprocessing , streamlit

Languages: Java , Python , JavaScript , TypeScript, R , Shell , Git
Frontend: React , Angular , html/css
Backend: Node.js , Express.js , Firebase
Data Skills: Matplotlib , Power-BI , SQL, MySQL , MongoDB , Excel
Tech stack Fluid : Focused on solving problems efficiently, regardless of the language or framework

[Here] **Leetcode 1511 contest rating , 475+ solved since** *2024*
[Here] **HP Power Labs Case Competition Round 2 ,** *2024*
[Here] **IIM Raipur , Prod-A-Vista: A Product Case Competition ,** *2024*
[Here] **EY - Techathon ,** *2024*
[Here] **Frontend Engineering Virtual Experience Program – Unstop**
[Here] **5* On Hackerrank in Java, C++ And Problem Solving**

Position of Responsibility

- Class Representative (CR), Biotechnology, Batch 2022–2026
- Led a team of 11 to create a short film (16 minutes) on the values and purpose of life - *2023*
- Worked in a team of 9 as Web Developer in Team SHAURYA