



Deevena Undrathi  
Computer Science and Engineering  
Institute of Technology Bombay  
My Portfolio

24b0921  
B.Tech.  
Gender: Female  
DOB: 30-01-2008

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2028	7.4
Intermediate	IPE	Acumen Junior College	2024	96.60%
Matriculation	SSC	Matrix High School	2022	98.00%

## SCHOLASTIC ACHIEVEMENTS

- Attained **98.99** percentile in **JEE Mains** amongst **1 million+** candidates who appeared for the examination [2024]
- Secured **94.77** percentile in **Joint Entrance Examination Advanced** among 1.8 lakh+ students nationwide [2022]
- Achieved **Silver Medal** in **International Mathematics Olympiad (IMO)** [2018]

## PROJECTS

**Log File Analysis | Course project** [2025]

*Technologies Used: Python, Flask, Matplotlib, HTML, CSS, Java Script.*

- Built a web application to upload and analyze server log files.
- Generated insightful visualizations and statistics using Matplotlib and NumPy.
- Implemented using Flask for backend processing and dynamic UI rendering.

**Sudoku Solver | Self Project** [2025]

*Technologies Used: Python, HTML, CSS.*

- Created a Python-based Sudoku solver using the backtracking algorithm.
- Supports both console and graphical user interface for input and visualization.
- Visual step-by-step solver included for educational purposes.

**Blockchain Voting App | Summer of Science | IIT Bombay | Self Project** [2025]

*Technologies Used: Ethereum, React, Solidity.*

- Developed a secure decentralized e-voting system leveraging blockchain technology.
- Integrated Ethereum smart contracts with a React frontend for transparent and tamper-proof voting.
- Includes features for voter registration, ballot casting, and result verification.

**Competitive Programming | Summer of Code | IIT Bombay** [2025]

*Technologies Used: C++.*

**Platforms:** Codeforces, LeetCode, HackerRank.

- Participated in IIT Bombay's **Summer of Code** program under the domain of **Competitive Programming**.
- Solved 100+ problems across Codeforces, LeetCode, and HackerRank, improving algorithmic thinking.

## TECHNICAL SKILLS

**Computer Science Fundamentals** : Data Structures and algorithms.

**Languages** : C, C++, Python, HTML, CSS, Javascript.

**Libraries/Framework** : React, Flask.

**Tools** : Git and GitHub, Ubuntu, Figma.

**Other Skills** : Pencil Sketching.

## POSITIONS OF RESPONSIBILITY

**Convener at Sustainability Cell | IIT Bombay** [ 2025-2026]

- ✓ Selected from 120+ students after a thorough interview process to work towards a sustainable future.
- Leading campus-wide sustainability efforts and managing student initiatives.
- Currently developing a **Green Score Calculator** website to promote eco-conscious living.

## KEY COURSES

**Computer Science:** C++, Software System Labs- Python, HTML, CSS, Java Script, Linux

**Mathematics** : Calculus I, Calculus II, Linear Algebra, Differential Equations

**MakerSpace** : Electrical and Electronic Circuits, Engineering Drawings, Manufacturing (+lab course)

## EXTRACURRICULAR ACTIVITIES

- **NSO Volleyball Trainee**, IIT Bombay [2024–2025]  
Completed one-year formal training in volleyball under the National Sports Organization.

- **Participant, XLR8 Competition, IIT Bombay**  
Competed in a team of four in a campus-level ideation and innovation challenge.
- **Organizer, E-Summit'25, IIT Bombay**  
Worked as an event organizer for IIT Bombay's flagship entrepreneurship summit.
- **Convener, Sustainability Cell, IIT Bombay**  
Leading sustainability initiatives; currently working on a Green Score Calculator website.
- **Art & Sketching Enthusiast**  
Passionate about pencil sketching and creative illustration; regularly practice and share artwork. Won Gold Medal in inter-school art competition
- **Silver Medal – International Mathematics Olympiad (IMO)**