



# Deepak Prajapati

Roll No.: 220101034

B.Tech - Computer Science and Engineering

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DeepakPrajapati25

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	8.65 (Current)	2022-Present
Senior Secondary	Madhya Pradesh Board	92.6%	2022
Secondary	Madhya Pradesh Board	96.0%	2020

## PROJECTS

- PeerPulse - Project Collaboration Platform** Feb. 2024  
*Gold medal in Inter Hostel Technical Competition-Kriti'24* bit.ly/peerpulse-iitg
  - Created a dynamic platform facilitating project collaboration and networking among like-minded individuals.
  - Features include **real-time updates**, **interactive discussion forums**, **group chat functionality** and **comment facilities**.
  - Enhanced UI/UX with **mobile responsiveness**, **filtering searches** based on **TechStacks** and **project rating**.
  - Designed the frontend using **React.js**, managed the backend with **Node.js**, utilizing **MongoDB** as the database.
- National Service Scheme (NSS) Website** Apr. 2024  
*Group Project, NSS Cell, IIT Guwahati* bit.ly/iitg-nss
  - Developed a website for NSS IITG to facilitate information sharing, volunteer coordination, and resource management.
  - Implemented functionalities for NSS heads to securely **login**, **create posts**, and **manage team member** details.
  - Leveraged **React.js** for frontend, **Node.js** for backend, **MongoDB** and **Cloudinary** for database and media storage.
- PathOptimizer** Oct. 2023  
*Personal Project* bit.ly/path-optimizer
  - Developed a web mapping platform to display the shortest path between two locations in IIT Guwahati.
  - Implemented **Dijkstra's algorithm** on a campus map represented as a weighted undirected graph to optimize routes, resulting in an average **reduction of 95 meters** and up to a **12% decrease** in travel duration.
  - Utilized **Flask** for backend server and modeled a **Python-based API** to send data to frontend upon API calls.

## COMPETITIVE PROGRAMMING

- Codeforces**: Max-Rating: **1640** | **Expert** | **Solved 500+** problems | **70+** Contests | Handle: **DeepakPrajapati**
  - Codeforces Round 937 (Div. 4): Secured Global **Rank 337** among 14500+ participants.
  - Codeforces Round 953 (Div. 2): Secured Global **Rank 836** among 13500+ participants.
- CodeChef**: Max-Rating: **2012** | **5 Star** | Handle: **chaawal25**
  - Codechef Starters 106: Secured Global **Rank 73** (in Div-4) among 27100+ participants.
  - Codechef Starters 140: Secured Global **Rank 179** (in Div-2) among 28400+ participants.
- Atcoder** :Max-Rating : **1019** | **Green** | Handle: **Chaawal25**
  - AtCoder Beginner Contest 345 : Secured India **Rank 59**, Global **Rank 1441** among 10000+ participants.
- Leetcode**: Secured Global **Rank 317** among 36100+ participants in Weekly Contest 403 | Handle: **chaawal25**
- Meta Hacker Cup 2023**: Qualified for Round 2 and Secured Global **Rank 4122** out of 20324 participants.
- AlgoUniversity Graph Contest 2024**: Secured **Rank 11** among 1500+ participants | Ranked **3rd** in IIT Guwahati.
- International Coding League 2024, BITS Pilani**: Secured team rank **67** out of **500** teams | Ranked **4th** in IIT Guwahati.

## ACHIEVEMENTS

- Kriti-Inter Hostel Tech Competition 2024**: Secured **Rank 1** in Software Development Challenge.
- Kishore Vaigyanik Protsahan Yojana (KVPY-SX) 2021**: Secured All India **Rank 760** among 50,000 candidates.
- Joint Entrance Examination 2022(Mains)**: Secured All India **Rank 639** among 1 million candidates.
- Joint Entrance Examination 2022(Advanced)**: Secured All India **Rank 1830** among 150,000 candidates.

## TECHNICAL SKILLS

- Programming**: C/C++, Python\*, JavaScript\*
- Database Management**: MySQL, MongoDB
- Development**: HTML, CSS, Node.js, Express.js, React.js\*
- Miscellaneous**: Git, Flask\*, Verilog\*

\* Elementary proficiency

## KEY COURSES TAKEN

- Computer Science**: Data Structures and Algorithms (Theory and Lab), Database Management Systems (Theory and Lab), Digital Design, Design and Analysis of Algorithms, Computer Architecture and Organization
- Mathematics**: Elementary Number Theory and Abstract Algebra, Probability and Random Processes, Linear Algebra.

## POSITIONS OF RESPONSIBILITY

- Core Team**, Coding Club (Competitive Programming Module), IIT Guwahati Apr. 2024 - Present
  - Released courses and conducted contests on competitive programming with **1000+** registrations.
  - Conducted multiple contests for internship and placement preparation with **600+** participants.