

# Animesh Tripathy

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## EDUCATION

<b>B.Tech in Computer Science and Engineering</b>	Nov. 2022 - May. 2026
<i>Indian Institute of Technology Patna</i>	<i>Current CGPA: 8.68</i>
<b>Senior Secondary (Class 12th)</b>	May. 2022
<i>Jawahar Navodaya Vidyalaya Dhenkanal</i>	<i>Grade: 98%</i>
<b>Secondary (Class 10th)</b>	May. 2020
<i>Jawahar Navodaya Vidyalaya Dhenkanal</i>	<i>Grade: 97.6%</i>

## ACHIEVEMENTS

- **Specialist** on **Codeforces** with a maximum rating of **1531**. [Profile link](#)
- **3 Star** on **Codechef** with a maximum rating of **1795**. [Profile link](#)
- **Solved over 350 problems** on **LeetCode**. [Profile link](#)
- Ranked **among the top 65 teams** in **Amazon Hackon 2024**, presenting our prototype to the jury.
- Ranked **2nd globally** out of more than 5100 candidates in **Codechef Starters 125 (Div 3)**.
- Ranked **2410th globally** out of more than 34000 candidates in **Codeforces Round 961 (Div 2)**.
- Secured an **All India Rank of 2190** out of more than **2 lakh** candidates in **JEE Advanced 2022**.
- Secured **99.44 percentile** and **5132nd rank** out of more than 9 lakh candidates in **JEE Mains 2022**.

## PROJECTS

- Amazon Hackon Prototype** | *React, Node.js, Express.js, MongoDB, OpenAI API, Langchain* | *Summer 2024* [GitHub](#)
- A team project for Amazon Hackon 2024.
  - Implemented an **AI recommendation engine** to suggest optimal payment methods based on historical data, success rates, and cashbacks.
  - Created a **generative AI chatbot** to handle repetitive payment queries, improving customer support efficiency.
  - Developed a **Budget Dashboard** for setting purchase limits, receiving notifications, and monitoring spending, saving across categories.
- Student Management Portal** | *Python, Django, RestAPI, MySQL, HTML/CSS/JS* | *Summer. 2024* [GitHub](#)
- Developed a robust Student Management Portal using Django for managing students, staff, courses, and attendance.
  - Implemented REST APIs for integration with external systems like library and hostel management.
  - Utilized modern front-end templates for seamless access to performance data and academic records.
- Faculty Recruitment Portal** | *HTML, CSS, Bootstrap, JavaScript, Django, MySQL* | *Spring. 2024* [GitHub](#)
- Guide: Prof. Mayank Agarwal , A Team Project for Database Course.
  - Developed a **multi-page form application** for faculty position applications.
  - Acquired proficiency in database management and gained insights into the intricacies of backend website functionality during the project's development.

## SKILLS

**Languages and Frameworks:** C/C++, Python, JavaScript, HTML, CSS, Bootstrap, TailwindCSS, React.Js, Node.Js, Express.Js, Django, Django REST Framework, MySQL, MongoDB, SQLite  
**Tools:** Git/GitHub, VS Code, MySQL Workbench, MongoDB Atlas, Docker, Postman, Firebase, Virtual Box

## COURSEWORK

**Computer Science:** Programming & Data Structures, Algorithms, Object Oriented Programming, Software Development, Computer Networks, Operating Systems, Database Management System, Computer Architecture.  
**Mathematics:** Linear Algebra & ODE, Complex Analysis, Discrete Mathematics, Probability Theory.

## POSITION OF RESPONSIBILITY AND EXPERIENCE

- Celesta Workshop Committee IIT Patna** | *Coordinator* Feb. 2024 - Present  
Organised workshops featuring industry experts, covering diverse topics to enhance skills.
- Finance Club IIT Patna** | *Consulting Associate* May. 2023 - Dec. 2023  
Engaged in numerous consulting case studies and organized events to foster learning within the club.