

Gaurav Singh

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IIT Bhubaneswar

B Tech in Civil Engineering + M. Tech

in Transportation Engineering

Post graduate

CGPA: 8.43/10



Education

Year	Degree/Examination	University/Board	%/CGPA
2024	Integrated BTech and MTech	Indian Institute of Technology, Bhubaneswar	8.43/10
2018	Intermediate (12 th standard)	Central Board of Secondary Education	89.6%
2016	Secondary School Certificate (10 th standard)	Central Board of Secondary Education	10/10

Key Skills

Programming Language : Python, JavaScript, TypeScript, C, C++.

Development tools : MongoDB, ExpressJS, ReactJs, NodeJS, NextJS, mySQL, HTML, CSS, AWS.

Libraries : NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, OpenCV.

Coding Profiles

- Knight at LeetCode (Max Rating of 2008) and solved over 1350 problems on LeetCode. **LEETCODE**.
- 4 Star at CodeChef (Max Rating of 1841) **CODECHEF**.
- Specialist at CodeForces (Max Rating of 1435) **CODEFORCES**.

Internship Experience

Web development Intern, Boossti

Dec 2023 - March 2024

- Developed user interfaces with TypeScript, ReactJS, and NextJS, boosting user engagement.
- Enhanced efficiency in software delivery and deployment through effective collaboration on AWS-based CI/CD.
- Contributed to increased user engagement through interface development..

Project

CampGround Review GitHub

June 2023-September 2023

- Engineered a dynamic campground webapp with CRUD functionalities using HTML, CSS, MERN stack.
- Integrated MongoDB for efficient data management within the application.
- Implemented user authentication using PassportJS to ensure secure access for users.

Virtual Sieve Analysis through Image Processing GitHub

April 2023-May 2024

- Developed an image processing algorithm using the OpenCV library for aggregate sample gradation analysis.
- Achieved a remarkable accuracy rate of 90% in determining the sample's gradation from planar images.
- Integrated this algorithm into a mobile app for on-site particle size analysis and estimating the contact points

Achievements

- International Collegiate Programming Contest (ICPC) regionalist in 2023.
- Advanced to the third round of TVS Credit's hackathon, achieving a top 300 position out of 51,414 competing teams.
- Surpassed 73,000+ teams to reach the third round of L'Oréal Sustainability Challenge, securing a top 800 spot.
- Secured a global rank 24 and college rank 3 in CodeSprint organized by Neuromancers, IIT Bhubaneswar.

Certifications

- "The Complete Data Structures and Algorithms Course in Python" by Udemy.
- "The Web Developer Bootcamp 2023" by Udemy.
- "Python for Data Science and Machine Learning Bootcamp " by Udemy.

Positions of Responsibility

Core Head of Events and Management Team, Alma Fiesta, IIT Bhubaneswar *September 2019 - April 2022*

- Led a team of 40 members responsible for organising and managing 30+ events in Alma Fiesta, the Socio-Cultural Fest of IIT Bhubaneswar happening over 3 days.

Extra-Curricular Activities

- Member of Clix-Photography society and Neuronamancers, the Programming Society of IIT Bhubaneswar.
- Member of Nakshatra, the Astronomy society of IIT Bhubaneswar.
- Member of Inter year Cricket and Badminton team of IIT Bhubaneswar.