

SACHIN KUMAR YADAV

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EDUCATION

- **Indian Institute of Technology(IIT) Patna** Patna, India
(M.Tech in Computer Science and Engineering. **CPI: 8.49**) July 2024 - May 2026 (Expected)
- **Gurukula Kangri University Haridwar** Haridwar, India
(B.Tech in Computer Science and Engineering. **CPI: 8.87**) July 2020 - May 2024
- **Delhi Public International School Muzaffarpur** Muzaffarpur, India
All India Senior School Certificate Examination(AISSCE) conducted by CBSE. **Percentage: 86.0%** Apr 2017 - Mar 2019
- **D. A. V Public School Runni Saidpur** Sitamarhi, India
All India Senior School Certificate Examination(AISSCE) conducted by CBSE. **CGPA: 10.0** Apr 2016 - Mar 2017

ACCOMPLISHMENTS

- 4 Star on HackerRank **Profile**.
- Solved **600+** problems on LeetCode with a maximum contest rating of **1400+** **Profile**.
- Solved **500+** problems on GeeksforGeeks with a coding score of **1984** and contest rating of **1592 Profile**.
- Secured an All India Rank of **882** out of more than **0.125 million** candidates in GATE CSE 2024.

PROJECTS

- **Whatsapp Chat Analysis (Using Regular Expression, pandas, streamlit, python)** Source Code
Self Project Dec '24 - Dec '24
 - Made a tool for Whatsapp chat analysis using streamlit.
 - This will give some insights about your group chat or personal chat.
 - I have deployed this project on render. for reference kindly visit here: [link](#)
- **EV Routing Problem Solver | Python, Metaheuristics, NetworkX, Matplotlib** Source Code
Group Project Mar '25 - Apr '25
 - Individually implemented a Metaheuristic-based approach (Genetic Algorithm) to optimize delivery routes with respect to battery limits and load capacity.
 - Developed a cost function balancing distance, energy usage, and recharging frequency.
 - Optimal routes visualized using NetworkX and Matplotlib for interpretability.
 - Added a CLI interface to load input from JSON files and output each vehicle route and graphical solutions.

SKILLS/RELEVANT COURSEWORK

- **Programming/Development Languages:** C/C++, Python, SQL
- **Core Courses:** Algorithms and Data Structures, Discrete Mathematics, Digital Design, Operating System, Database Management Systems
- **Professional Skills:** Object Oriented Programming(OOP), MySQL