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EDUCATION

- **Indian Institute of Information Technology (IIIT)** Nagpur, India
Bachelors in Computer Science; GPA: 9.64/10 Nov. 2022 – June. 2026

PROJECTS

- **Airline Ticket Booking System Backend:**
 - Developed a microservices-based airline ticket booking system with JWT for secure authentication.:
 - Implemented flight booking and email notifications as independent microservices.:
 - Integrated RabbitMQ for load balancing and efficient asynchronous communication.:
 - Used an API Gateway to ensure scalable and maintainable request routing.:

Tech: Node.js, JavaScript, Express. 2024
- **District-wise Criminal Case Analysis:**
 - Analyzed crime data across Indian districts from 2007-2012 to identify safer states and vulnerable demographics.:
 - Provided insights into regional crime patterns by age and caste.:
 - Focused on understanding trends for more targeted crime prevention policies.:

Tech: Python, Jupyter Notebook. 2023.
- **Rubik's Cube Solver – using Korf's IDA Algorithm*:**
 - Modeled a virtual Rubik's Cube (3x3) in 3 different models/classes using data-structures present in C++.
 - Achieved a solving time of under 3 seconds for a Rubik's Cube jumbled 3 times using BFS, DFS and IDDFS algorithms.:
 - Implemented the Korf's IDA* Algorithm, achieving a solving time of under 30 seconds for a Rubik's Cube jumbled 13 times.:

Tech: C++ , OOPS 2024.

SKILLS AND SUMMARY

- **Languages:** Python, Javascript, C++, SQL
- **Frameworks:** Reactjs,Nodejs,RabbitMQ
- **Soft Skills:** Leadership, Public Speaking, Event Managment, Team-Work

AWARDS AND HONORS

- **Specialist on Codeforces:** Codeforces ID: Nasim cc
- **4* on CodeChef:** CodeChef ID: Nasim cf
- **Knight on LeetCode (2000+):** LeetCode ID: Nasim lc

KEY COURSES TAKEN

- **Mathematics:** Introduction to Linear Algebra, Basic Calculus, Discrete Mathematics and Graph Theory, Probability & Statistics.
- **Computer Science:** Design and Analysis of Algorithms, Database Management System, Operating System, Software Engineering.