

# Shourya Nahar

B.Tech, Information and Communication Technology

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## Education

<b>Dhirubhai Ambani University</b> CPI: 7.11	2022 - Present Gandhinagar, Gujarat
<b>MDS Sr Sec School (CBSE)</b> Percentage: 88.8	2021 - 2022 Udaipur, Rajasthan
<b>MDS Sr Sec School (CBSE)</b> Percentage: 85.6	2019 - 2020 Udaipur, Rajasthan

## Experience

<b>Intuitive.ai</b> Software Engineer	Dec 2025 – Present Ahmedabad, Gujarat
<ul style="list-style-type: none"><li>Working on the high-level architecture design of an application modernization framework focused on migrating legacy systems to cloud-native architectures.</li><li>Earned industry-recognized certifications: Databricks Data Analyst Associate, AWS Certified Cloud Practitioner, and Microsoft Azure Fundamentals (AZ-900).</li></ul>	

## Projects

<b>Database Management System — PayX</b>   PostgreSQL, SQL	🔗
<ul style="list-style-type: none"><li>Designed and implemented a fully normalized relational database (BCNF) for a digital payments platform, comprising <b>15+ tables</b> with composite keys, PK/FK constraints, and enforced referential integrity.</li><li>Produced ER diagrams, relational schema diagrams, and functional dependency documentation; delivered complete DDL scripts, sample DML inserts, and SQL queries for transaction retrieval, analytics, and reporting.</li><li>Optimized schema for scalability and query efficiency; followed industry-standard database design principles and documentation practices.</li></ul>	
<b>Dynamic Task Scheduler</b>   C++, Graphs, Min-Heap, Topological Sort	🔗
<ul style="list-style-type: none"><li>Developed a task scheduling system in C++ that resolves dependencies using Topological Sort (Kahn's Algorithm) and manages execution order with a Min-Heap. Implemented detection of cyclic dependencies to ensure safe task execution.</li><li>Achieved <math>O((V+E) \log V)</math> scheduling efficiency, demonstrating scalability for large task graphs</li></ul>	
<b>Online Bookstore with Rental and Purchase Options</b>   HTML, CSS, JS	🔗
<ul style="list-style-type: none"><li>Developed a responsive web-based platform enabling users to browse, search, rent, or purchase books online. Implemented features for user authentication, book catalog management, and rental tracking with due dates, renewals, and return status.</li><li>Contributed to designing intuitive UI layouts, improving navigation and accessibility, book availability, and transaction workflows.</li></ul>	

## Technical Skills

**Languages:** C++, Python, JavaScript, SQL  
**Developer Tools:** Git, VS Code, Linux Shell, Figma  
**Frameworks:** Node.js, Express.js  
**Cloud/Databases:** Postgres SQL, MySQL  
**Soft Skills:** Team Collaboration, Leadership, Problem Solving, Communication, Time Management  
**Coursework:** Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning  
**Areas of Interest:** Full Stack Development, System Design, Competitive Programming, AI/ML, Cloud Computing

## Achievements

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- **JEE Mains 2022 Percentile - 98.75, Rank - 11,346** (Performed better than 98.75% of candidates out of 10 lakh participants. Organized by **NTA**, a government organization). [\[View Result\]](#)
- **JEE Advanced 2022 Rank - 8864** (Among qualified JEE Mains candidates. Organized by **IIT Bombay**, a government institution)