

Shourya Nahar

B.Tech, Information and Communication Technology

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Education

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

Experience

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

Projects

Database Management System – PayX PostgreSQL, SQL	
<ul style="list-style-type: none"> Designed and implemented a fully normalized relational database (BCNF) for a digital payments platform, comprising 15+ tables with composite keys, PK/FK constraints, and enforced referential integrity. 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. Optimized schema for scalability and query efficiency; followed industry-standard database design principles and documentation practices. 	
Dynamic Task Scheduler C++, Graphs, Min-Heap, Topological Sort	
<ul style="list-style-type: none"> 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. Achieved O((V+E) log V) scheduling efficiency, demonstrating scalability for large task graphs 	
Online Bookstore with Rental and Purchase Options HTML, CSS, JS	
<ul style="list-style-type: none"> 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. Contributed to designing intuitive UI layouts, improving navigation and accessibility, book availability, and transaction workflows. 	

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

- **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)