SHANTANU MAMGAIN

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SUMMARY

Computer Science undergraduate at Galgotias University with a passion for problem-solving, data analysis, and building better product experiences. Comfortable with SQL, Excel, and data visualization tools, and curious about how users interact with products. Excited to apply analytical thinking and tech skills in a hands-on role

EDUCATION

B.Tech in Computer Science and Engineering   **2022 − 2026**
Galgotias University   CGPA: 8.23

Intermediate (Class XII)   **2022**
Modern Convent School, CBSE   Percentage: 84.8%

Matriculation (Class X)   **2020**
Modern Convent School, CBSE   Percentage: 82.4%

SKILLS

Technical Skills	Data Structures and Algorithms in Java, MySQL, JavaScript, React
Soft Skills	Problem-Solving, Teamwork & Collaboration, Communication, Leadership
Tools & Platforms	Git, GitHub, VS Code, Canva, IntelliJ IDEA

PROJECTS

Sorting Visualizer ([Live Demo](#) — [GitHub](#))

- Built an interactive web-based tool using **React.js** and **Chart.js** to visualize 5+ core sorting algorithms, with real-time animations.
- Optimized rendering and animation timing, reducing unnecessary re-renders by $\tilde{4}0\%$, resulting in smoother UI performance across Chromium-based and Gecko browsers.

TicketEase - CLI Ticket Management Application ([GitHub](#))

- Built a command-line ticket management system in **Java** to create, assign, update, and close tickets, improving task tracking efficiency for **3+ user roles**.
- Implemented **object-oriented design** with modular classes for ticket operations, user management, and reporting, enabling easy scalability and maintenance.

CERTIFICATIONS

- **SQL(Intermediate) - HackerRank** ([View Certificate](#))   July 2025
- **Compiler Design – NPTEL (IIT Kharagpur)** ([View Certificate](#))   Jan - Apr 2025
- **Software Engineering – NPTEL (IIT Kharagpur)** ([View Certificate](#))   July - Oct 2024
- **CCNA: Introduction to Networking – Cisco Networking Academy** ([View Certificate](#))   Mar 2024

EXTRA-CURRICULAR ACTIVITIES

- Qualified for Smart India Hackathon (SIH) Prequalifiers (2024) – Showcased problem-solving and software development skills in national-level competition.
- National Service Scheme (NSS) Volunteer – Participated in social initiatives, community outreach programs, and leadership activities, enhancing communication and teamwork skills.