

**EDUCATION**

B.TECH(Software Engineering)	2022- 2026	Delhi Technological University, New Delhi	7.51
CBSE (Class XII)	2022	HOLY MISSION SEC SCHOOL	91.6%
CBSE (Class X)	2020	DR G. L. D. DAV PUBLIC SCHOOL	91.3%

**ACADEMIC PROJECTS****Air Ticket booking backend** [\[Link\]](#)

- Engineered and launched a RESTful API Gateway with Node.js and Express.js, facilitating the integration of five microservices while enhancing request routing efficiency across diverse application modules by reducing response time to under 200 milliseconds.
- Implemented RabbitMQ for asynchronous communication between microservices, improving system scalability and ensuring reliable message delivery under high traffic loads.
- Configured and optimized MySQL database using Sequelize and hosted the application on AWS EC2, achieving 95% uptime and supporting real-time transaction processing for booking operations.

**Texting - Real-Time Chat Application** [\[Link\]](#)

- Engineered and launched a real-time chat application utilizing MERN stack and Socket.io, enabling low-latency, bi-directional messaging with real-time updates.
- Fortified application security via JWT and Bcrypt encryption protocols to protect sensitive user data, mitigated the risk of unauthorized access by 60%.
- Enhanced application performance and user experience by implementing responsive UI/UX design and deployed the application on Render for scalability and high availability.

**Calories burned predictor** [\[Link\]](#)

- Designed a machine learning-based web application, enabling real-time predictions of calories burned during exercises based on user input.
- Integrated data visualization tools like Matplotlib and Pandas to display exercise trends and analysis, enhancing user insights and engagement.
- Implemented responsive front-end design using HTML5, Tailwind CSS, and JavaScript, ensuring a seamless and user-friendly interface for fitness tracking.

**TECHNICAL SKILLS**

- Programming Languages:** C++, JavaScript, Python
- Web Development:** React.js, Node.js, Express.js, RESTful APIs
- Databases & Cloud:** MySQL, MongoDB, AWS (EC2, S3)
- Tools & Version Control:** Git, GitHub, Docker, Postman, VS Code
- Coursework:** OOPs, OS, DBMS, DSA, Machine Learning, Software Engineering, Computer Network

**ACADEMIC ACHIEVEMENTS AND AWARDS**

- Solved 350+ problems on Leetcode, including 200+ medium-level questions, demonstrating strong skills in algorithms and data structures. [Leetcode](#)
- Achieved 98.3 percentile in JEE Main, ranking in the top 0.5% of 1.2 million candidates.
- Earned Google Cloud Certification in Generative AI via Coursera. [\[Link\]](#)

**POSITIONS OF RESPONSIBILITY**

- Corporate Executive, E-Cell DTU- Led digital marketing and growth strategies, driving 100,000+ event attendees through targeted social media and outreach campaigns.
- Mentor at Desh Ke Mentor App, guided 4 students on academic and career paths through mentorship.