

Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2024 - Present	4 year B.Tech course in Computer Science and Engineering	Indian Institute of Technology, Kharagpur	9.38/10
2024	Class XII (CBSE)	Saarthi International School, Delhi	95.4%
2022	Class X (CBSE)	VBPS , Noida	98.6%

Internships & Projects

PaperShare | Django Web Application | Self-Project May 2025

- Developed comprehensive academic paper review platform using Django backend and JavaScript with role-based authentication, enabling professors to upload answer sheets and students to submit queries on specific question parts
- Implemented complex hierarchical question structures with JSON encoding and tree traversal algorithms, supporting multi-level subparts (1(a)(ii)) with secure PDF management and mobile-responsive interface

Winter Internship | India Space Lab | Technical Training Program Dec 2024 - Jan 2025

- Completed comprehensive technical training program in Space Science and Technology, gaining specialized knowledge in Advanced Drone Technology, CanSat and CubeSat Satellite Programs
- Developed expertise in Astronomy fundamentals and Space Entrepreneurship through hands-on projects involving satellite technology design, space mission planning, and collaboration with industry professionals

Course Work Information

Programming and Data Structures (Theory and Lab) | Linear Algebra, Numerical and Complex Analysis | Advanced Calculus | Programming Paradigm for Computation.

Positions of Responsibility

Undergraduate Researcher | Autonomous Ground Vehicles (AGV) | IIT Kharagpur Apr'25 - Present

- Selected for Software/AI team through rigorous evaluation involving projects in autonomous path planning, sparse optical flow, and 3D image reconstruction
- Developing intelligent navigation algorithms and solutions using ROS for autonomous ground vehicle applications

Associate Member | Kharagpur Blockchain Society | IIT Kharagpur Dec'24 - Present

- Contributing to blockchain education initiatives through workshops, collaborative projects, and hands-on learning experiences in decentralized technologies

Member | CodeClub | Department of Computer Science and Engineering | IIT Kharagpur Mar'25 - Present

- Participating in algorithm workshops, fortnightly coding contests, and skill development initiatives aimed at nurturing programming abilities

Skills and Expertise

Programming Languages: Python | JavaScript | C | C++ | HTML | CSS | SQL

Frameworks/Libraries: Django | Node.js | Express | Bootstrap

Tools and Databases: SQLite | Git | GitHub | VS Code | Postman | Linux

Awards and Achievements

- AIR 341 in JEE Advanced 2024 among 180,200 candidates, securing admission to IIT Kharagpur
- AIR 1152 in JEE Mains 2024 among 180,200 candidates nationwide
- State Top 1% in National Standard Examination in Chemistry (NSEC) 2023