

Sanjana Mooli

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EDUCATION

- Indian Institute of Technology, Patna** Patna, India
• *Bachelor of Technology - Computer Science and Engineering; CGPA: 8.4* 2022 - 2026 (Expected)
- Narayana Junior College** Hyderabad, India
• *Board of Intermediate Education, Telangana; Percentage: 99.2* 2020 - 2022

PROJECTS

- HOMEVISTA WEBSITE : - REACT.JS, NODE.JS, MONGODB, EXPRESS.JS** Source code
 - Built a full-stack property booking and listing application using the MERN stack (MongoDB, Express, React, Node.js) with Redux for state management, Mongoose for database modeling.
 - Achieved secure authentication with JWT and Bcrypt, enabling user sign-up, login, and role-based access control, along with features like property creation, option selection, and dynamic photo upload with drag & drop and deletion.
 - Developed features like category-based property feeds, keyword search, calendar-based booking, wishlist management, and reservation lists, providing a complete end-to-end booking experience with seamless API integration
- COLLEGE FACULTY APPLICATION PORTAL: - PHP, MYSQL, JAVASCRIPT** Source code
 - Developed a Faculty Recruitment Portal using PHP, enabling users to register, submit personal details, and upload files.
 - Integrated MySQL to manage faculty records, application data, and file paths with structured storage and easy retrieval. Designed a relational database schema to handle complex data relationships efficiently.
 - Enhanced functionality with PDF generation and email notifications using fpdf and phpmailer, with a complete workflow for application submission, profile management, and document handling.
- FORM VALIDATION: - HTML, CSS, JAVASCRIPT** Source code
 - Designed a validation system to guide users through registration and ensure valid inputs before submission. It validates usernames, emails, and passwords. Provides real-time feedback on form inputs.
 - Utilizes JavaScript to dynamically update error messages and apply CSS classes to visually indicate the validation status.

SKILLS SUMMARY

- **Languages:** C++, C, Python, HTML, CSS, JavaScript, MySQL
- **Tech Skills:** Data Structures and Algorithms, Database Management System, OOPS, Operating Systems.
- **Tools:** Jupyter Notebook, Google Colab, GitHub, VSCode, Atoms, Windows.
- **Courses:** Data structures and Algorithms, Discrete Mathematics, Linear Algebra, Database Management Systems, Theory of Computation, Probability Theory and Random Processes, Operating Systems, Computer Networks
- **Areas of Interest:** Technology, Development, Finance, Competitive Programming.

ACHIEVEMENTS

- **GOOGLE GIRL HACKATHON'24 SEMI-FINALIST**- Made it to the top **200+** semi-finalists among **34k+** applicants from **700+** universities (top **0.5%**)
- **CODESS.CAFE MENTEE**- Selected as **Mentee** for the Codess.Cafe Mentorship Program chosen from over a pool of **1000+** applicants
- **KVPY SCHOLAR** - Successfully cleared the Kishore Vaigyanik Protsahan Yojana (KVPY) - **2020** exam with an All India Rank (AIR) of **774**.
- **JEE ADVANCED** - Attained an All India Rank (AIR) of **4547** in JEE Advanced **2022** among **1.5 lakh** candidates, positioning within the top **0.02** percentile **nationally** among aspirants.
- **CODECHEF** - Rated **3 Star** on **Codechef** with Max Rating of **1778**. Secured a global rank of **263** in **CodeChef Starters 107** among **21,000+** active participants
- **CODEFORCES**- Rated as **Pupil** with Max Rating of **1377** and successfully solved a total of **800+** Questions
- **SHE CODES FOUNDATION SCHOLAR** - She Codes Foundation has provided a scholarship that includes various web development courses. It features numerous workshops and full-time support from mentors.

EXPERIENCE / EXTRACURRICULAR

- CODESS.CAFE MENTORSHIP PROGRAM** Remote
• *Codess.Cafe Mentee* June 2024 - Present
 - Engaged in structured mentorship, actively participating in workshops, networking events, and collaborative projects while receiving personalized guidance and feedback from industry mentors.
 - Gained skills in technology through hands-on projects and meetings and contributed to the program's community by sharing knowledge and supporting peers.