Naga Ratna Kalpavalli Mannava
Indian Institute of Technology Mandi
Bachelor of Technology
Computer Science and Engineering
Roll No: B21106

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EDUCATION

•**Indian Institute Of Technology Mandi** *Dec 2021 - May 2025*
BTech CSE CGPA: 7.55

•**Sri Chaitanya Girls Junior Kalasala** *2019-2021*
Board of Intermediate Education, Andhra Pradesh Percentage: 98.5

•**Sri Chaitanya High School** *2018-2019*
Board of Secondary Education, Andhra Pradesh CGPA: 10

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Mobile Virtual Reality and Artificial Intelligence
- Information and Database Systems
- Performance Analysis of Computer Networks
- Formal Language and Automata Theory
- Applied Database Practicum
- Computer Organisation
- Data Science
- Operating Systems

EXPERIENCE

•**Accenture** *June 2024 – July 2024*
Advance Application Engineering Intern Bengaluru
- Contributed to a Cybersecurity project focused on implementing Application Cloud Security Controls.
- Assisted in integrating security protocols throughout the Software Development Life Cycle (SDLC).

PROJECTS

•**Silent Voices : Empowering Deaf and Blind Individuals through Communication Technology**

Group project

- Tools & Technologies used: Python, Android App Development, Google Speech API
- Designed and developed a mobile application and haptic glove system enabling deaf and blind individuals to communicate using Braille system.
- Focused on accessibility, affordability, and ease of use, achieved cost savings of 80% over existing market products.

•**Emoji Game**

Individual project

- Tools & Technologies used: React.js, JavaScript, CSS
- Implemented game logic to track scores, detect winning/losing conditions, and shuffle emoji cards randomly.
- Managed game state and user interactions using React class components and event handling.
- Used conditional rendering to display game status and scores, enhancing the user experience.

•**E-commerce Web Application**

Individual Project

- Tools & Technologies used: React.js, React Router, JavaScript, HTML, CSS, Cookies, REST APIs
- Developed an e-commerce platform with JWT authentication, protected routes, and secure login/logout using `js-cookie`.
- Implemented dynamic product listing with filtering, sorting, and API integration for prime deals. .
- Built reusable components (`ProductCard`, `Header`, `ProtectedRoute`) for modular and scalable development.

SKILLS SUMMARY

Languages: Python, C++, JavaScript, HTML, CSS, Verilog
Frameworks and Libraries: MERN Stack , Bootstrap
Tools and Platforms: MySQL, GitHub, Google Colab, VS Code, Spyder, Jupyter Notebook, Linux, Windows
Web Development: Responsive Design, RESTful APIs
Soft Skills: Teamwork, Communication, Problem-solving, Time Management

ACHIEVEMENTS

•Cracked JEE Advanced, securing admission to IIT Mandi.

•Awarded NTSE Scholarship (Top 2,000 students nationwide).

•Recognized among the Top 1% Coders by NxtWave.