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*
  AEH 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.

•**MERN Stack Chat Application**
  Individual Project [GitHub Repo]
  – Tools & Technologies used: React.js, Node.js, Express.js, MongoDB, Socket.io, TailwindCSS, DaisyUI, Zustand, JWT
  – Developed a full-stack chat app with real-time messaging using Socket.io and MongoDB for persistent chat history.
  – Implemented authentication and authorization with JWT, enabling secure access and protected routes.
  – Utilized Zustand for efficient global state management across components. Designed a responsive and modern UI using TailwindCSS and DaisyUI component library.

•**DinoGame — Chrome-style Infinite Runner**
  Individual Project [GitHub Repo]
  – Tools & Technologies used: HTML, CSS, JavaScript
  – Built a pixel-art inspired infinite runner game where a dinosaur jumps over cacti, mimicking Chrome's offline game.
  – Implemented game loop logic, scoring system, and collision detection for real-time gameplay.

•**My Portfolio**
  Individual Project [GitHub Repo]
  – Tools & Technologies used: HTML, CSS, Github Pages
  – Developed and hosted a personal portfolio site using HTML/CSS and GitHub Pages.
  – Showcases technical projects and resume with clean UI and responsive design.

SKILLS SUMMARY

Languages: Python, C++, JavaScript, HTML, CSS, Verilog
Frameworks and Libraries: React.js, Node.js, Express.js, MongoDB, Bootstrap, Zustand, TailwindCSS
Tools and Platforms: Git, GitHub, MySQL, Google Colab, VS Code, Jupyter Notebook, Linux
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).