MANTRIPRAGADA KOMAL SATHVIK

Bachelor of Technology
Computer Science and Engineering
CVR College of Engineering,Hyderabad

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EDUCATION

B.Tech. in Computer Science and Engineering 2023–2027
CVR College of Engineering *CGPA: 9.38 (up to 2nd year)*

Senior Secondary (Intermediate) 2021–2023
MIMS College *Percentage: 96.1*

TECHNICAL SKILLS

- **Web Technologies**: TypeScript, React, Next.js, Node.js, Express.js, MongoDB (MERN Stack), Tailwind CSS, Bootstrap, HTML, CSS, JavaScript, EJS, JWT, Git, GitHub, WebRTC, Socket.IO, Axios, CORS
- **Programming Languages**: Python, Java, SQL
- **Libraries & Tools**: Tkinter, Turtle Graphics, Bcrypt, Crypto, Chart.js, MySQL
- **Developer Tools**: VS Code, Vercel,Render, PyCharm, Git, GitHub

PROJECTS

- **Clear-Connect: Online Video Conferencing Platform** [Live Demo]

  Tech Stack: MongoDB, Bcrypt, Crypto, Socket.IO, Express.js, React, Bootstrap, Material UI, WebRTC, Axios, CSS
  ◦ Objective: To develop a secure and user-friendly real-time video conferencing platform that supports one-on-one and group meetings.
  ◦ Designed and implemented core features including video calls, screen sharing, and live chat using WebRTC and Socket.IO.
  ◦ Ensured smooth communication between frontend and backend through optimized data streaming with Axios and WebRTC APIs.
  ◦ Integrated MongoDB to handle user sessions, chat history, and real-time data storage for a seamless meeting experience.

- **Intel Hackathon — Full-Stack Product Page for Direct Intel Sales** [Live Demo]

  Tech Stack: HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Google AI Studio API, Axios, CORS
  ◦ Objective: To create an online product platform for Intel that allows direct sales to customers while enhancing the shopping experience with AI.
  ◦ Built a responsive and interactive web application enabling users to browse and purchase Intel products directly from the platform.
  ◦ Integrated an AI-powered chatbot using Google AI Studio to provide real-time assistance and answer customer queries efficiently.

- **FoodRestro Application** [GitHub]

  Tech Stack: HTML, CSS, EJS, Node.js, Express.js, Twilio API, MySQL
  ◦ Objective: To design an efficient and secure food ordering system for restaurants with real-time order tracking and authentication.
  ◦ Implemented OTP-based login using Twilio API to ensure secure and quick access for customers.
  ◦ Developed a MySQL database structure to efficiently manage user accounts, menu items, orders, and payment transactions.
  ◦ Created backend services with Node.js and Express.js to handle order placement, tracking, and category-based menu navigation.

EXPERIENCE

- **GirlScript Summer of Code — Contributor**

  2025
  ◦ Contributed to multiple open-source projects with features, bug fixes, and documentation.
  ◦ Improved performance and accessibility through clean coding and peer reviews.

- **Google Developer Clubs Solution Challenge — Participant**

  2025
  ◦ Built tech solutions in a 2-day hackathon, focusing on real-world problems with a team of 4.
  ◦ Applied rapid development, problem-solving, and collaborative skills.