ANUJ SENTHIL MOHAN

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B.Tech CSE undergraduate with a strong passion for web design, development, and data science. Known for my creativity, open-minded approach and eagerness to explore new technologies. I also bring excellent communication and social skills, enabling effective collaboration in team environments.

EDUCATION

- **CBSE CLASS 10 | GEMS United Indian School, Abu Dhabi, UAE** - Completed in 2021
- **CBSE CLASS 12 | Abu Dhabi Indian School, Abu Dhabi, UAE** - Completed in 2023
- **BTech Computer Science Engineering | IIIT Jabalpur, Madhya Pradesh, India** - 2023-present

EXPERIENCE

- **Intern @ Belimo | May 2025 | (Duration : 1week)**
  - Observed IT integration in HVAC systems, focusing on smart energy valves.
  - Understood basic concepts of the Niagara platform and BACnet MSTP protocol.
  - Learned how valve data is inputted and used to enable intelligent BMS.
  - Gained insight into data flow within building automation systems.
  - Analyzed the integration of IT systems in logistics, finance, and technical support operations within a corporate environment.

PROJECTS

- **HUMMUS - THE GAMERS HUB | August 2024**
  - Designed and developed a dynamic gaming community website using modern web technologies.
  - Enabled users to explore detailed information about PC games, including genres, ratings and descriptions.
  - Created a Real Time Chatbox, a bidirectional chat application to enable instant messaging between users.
  - Implemented personalized user profiles for tracking and showcasing played games.
  - Focused on intuitive UI/UX to enhance user engagement and accessibility.

- **MONKEY ESTATES – REAL ESTATE MANAGMENT SYSTEM | December 2024**
  - Designed and developed a Real Estate Management System to facilitate property listing and discovery.
  - Enabled users to list properties for sale and browse available listings with advanced filtering options.
  - Built features for property owners to manage property details and track maintenance requests.
  - Integrated functionality to monitor and manage active property insurance policies
  - Focused on scalability, usability, and efficient data management throughout the platform.

- **SMART FOOD RECIPE GENERATOR | May 2025**
  - Developed a Flask-based app enabling users to find recipes by ingredients or natural language queries using spaCy NLP.
  - Integrated TheMealDB API for real-time recipe data with detailed instructions and images.
  - Deployed via GitHub and Render with automated setup and dependency management.
  - Focused on delivering a smooth, user-friendly experience with advanced ingredient filtering.

- **GEUSTURE TO TEXT TRANSCRIPTION SYSTEM | Jan-May 2025 (ongoing)**
  - Developing a Sign Language to Text Converter to enable real-time translation of hand gestures into readable text.
  - Built a custom dataset by capturing images and manually labeling hand gestures for accurate training.
  - Utilized TensorFlow's Object Detection API and implemented transfer learning using pre-trained models.
  - Training a robust gesture recognition model optimized for real-time performance and accuracy. Focused on enhancing accessibility through computer vision and deep learning techniques.

SKILLS

- Full-Stack Web Development
- Web Design
- Problem Analysis and Solving
- Data Science
- Basic App Dev using Flutter
- Intro to Generative AI
- Innovative Thinking
- Exceptional Communication
- Time Management
- Data Analysis
- Basics of Object Detection
- Intro to Image Generation

TECHSTACK

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js, Express.js , Python, Flask
- Coding Language: C, Python, Java, SQL
- Tools: Figma, Git, VS code, Canva, MongoDB
- Data Sci. & ML : Tensorflow, spaCy, Pandas, NumPy

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Tamil (Fluent)
- Japanese (Basic)
- Arabic (Basic)