ANUJ SENTHIL MOHAN

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B.Tech CSE undergraduate with a strong passion for Machine Learning, Web Design, development and data analytics. 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 : 1 week)**
  - 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.

- **Data Science Intern @ Evoastra Ventures | June-Aug 2025 | (Duration : 4 weeks)**
  - Applied data analytics concepts to real projects.
  - Analyzed open car sales data to extract patterns and insights.
  - Developed image-based data extraction project using ML techniques.
  - Hands-on experience in data analysis, visualization, and model building.

PROJECTS

- **MUNCHY - FOOD DELIVERY WEBSITE | June 2025**
  - Developed a full-stack food delivery platform with responsive UI using React.js (Vite).
  - Built core features: user authentication, menu browsing, cart, and order tracking.
  - Created a secure admin dashboard to manage products and monitor orders.
  - Integrated Stripe API for seamless online payments.
  - Implemented RESTful APIs with Node.js & Express, and used MongoDB for data storage.
- **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.
- **SIGN LANGUAGE TO TEXT APPLICATION | August 2025**
  - Developed a real time Sign language to Text app using Python, OpenCV, Mediapipe, scikit-learn, tkinter.
  - Designed a standalone windows app with webcam based gesture recognition.
  - Created a custom data-set of ISL signs with pre-processing and evaluation.
  - Achieved ~97 % accuracy using confidence threshold and sentence construction.

SKILLS

- Full-Stack Web Development
- Web Design
- Problem Analysis and Solving
- Data Science
- Data Visualization
- Innovative Thinking
- Exceptional Communication
- Time Management
- Data Analysis
- Basics of Object Detection

TECHSTACK

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

LANGUAGES

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