Manav Samir Bhavsar

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Education

- **Nirma University** — Ahmedabad, India
  Bachelor of Technology in Computer Science and Engineering — *2023 – 2027 (Expected)*

Projects

- **Automated News-to-Email Workflow** n8n workflow that fetches headlines, extracts top stories, and sends a scheduled daily email digest. Uses n8n + JSON.
  Link: https://mechahuman.github.io/Automated-News-to-Mail-Workflow/

- **Biometric Authentication** Face-recognition pipeline (data collection, LBPH training, real-time testing) to securely launch desktop apps via webcam. Built with OpenCV + Python.
  Link: https://mechahuman.github.io/Biometric-Authentication/

- **Smart Image / Face Organizer** Python scripts to auto-organize photos by matching a reference face (single/multi-face modes) with interactive fallbacks.
  Link: https://mechahuman.github.io/Smart-Image-Organizer/

- **Food Review AI Chatbot** Conversational AI chatbot that analyzes and discusses food reviews. Built with LangChain + ChromaDB for semantic retrieval and runs local LLMs using Ollama. The system vectorizes review data for contextual querying and provides summaries, sentiment insights, and Q&A about dishes and restaurants via a Flask interface.
  Link: https://mechahuman.github.io/Food-Review-AI-Chatbot-/

- **Automobile Data Analysis (KNN)** Data Analysis and KNN regression on an automobile dataset to predict acceleration, with visualizations and model evaluation
  Link: https://mechahuman.github.io/Automobile-Data-Analysis/

- **AquaPulse — Swimming Website** Animated swim club website template with GSAP interactions and responsive design for showcasing programs and events.
  Link: https://mechahuman.github.io/Swimming-Website/

- **Bubble Pop — Full Stack Game** Fast-paced web game with real-time scoring, leaderboard, and persistent storage. Built with HTML5/JS frontend and Flask + MongoDB backend.
  Link: https://mechahuman.github.io/Full-Stack—Bubble-Game/

- **Verilog Traffic Light Controller (collab)** Collaborative Verilog project: 4-way traffic light controller with emergency interrupts and state-machine logic.
  Link: https://manthansecond.github.io/Verilog-AmbulanceInterrupt-TrafficLightController/

Technical Skills

- **Languages:** Python, JavaScript, Java, C, HTML, CSS, MySQL

- **Tools & Frameworks:** n8n, LLMs-Ollama, Langchain, OpenCv, face_recognition, Bootstrap, TailwindCSS, Git, VS Code.

- **Soft Skills:** Team leadership & collaboration, Project planning, Cross-functional communication, Documentation, Problem-solving, Time management, Fluency in English (verbal and written)

Achievements

- Ranked First in Ideafy Hackathon (2023).