

MEDHA ASHESH JANI

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Education

- Pursuing Masters in Computer Science from University of North Carolina at Charlotte, North Carolina
- Bachelor of Engineering in Computer Science and Engineering from Vidush Somany Institute of Technology and Research, Gandhinagar, India, **CGPA: 8.10**

Skills

Programming languages:	HTML5, CSS3, JavaScript, C++, C, Python, React-Js, Next-Js, Express-Js, Node-Js, Java
Database:	MongoDB, Firebase
Designing and Developing Tools:	Figma, Adobe-XD, VSCode, Jupyter Notebook, Android Studio, Power-BI
Soft Skills:	Collaboration and Teamwork, Critical Thinking and Problem Solving, Responsible and Reliable, Strong Verbal Communication Skills, Consistent

Certifications

Natural Language Processing

by NPTEL.

MERN Stack Workshop

by TSC(Yagnesh Modh)

Participations and Projects

- **Weather Application – Android (OpenWeatherMap API, OkHttp, Picasso)**
 - Built a multi-screen Android weather app using **OkHttp** to fetch real-time current and forecast weather data from OpenWeatherMap APIs in JSON (imperial units).
 - Designed models for weather & forecast data and displayed dynamic weather information with icons using **Picasso**, RecyclerView, and fragment navigation.
 - Implemented city selection, current weather display, and 5-day forecast viewing through structured fragments and argument passing.
- **Wellness Tracker App — Android (Room Database, Single Activity + Multiple Fragments)**
 - Designed a wellness logging system using the **Room** persistence library to store sleep, exercise, and weight metrics with full CRUD operations.
 - Built Add Log, View Logs, and Metrics Selection fragments featuring DatePicker dialogs, selectable lists, and validation logic.
 - Created a visualization dashboard with multiple **line charts** to display wellness trends retrieved from the local Room database.

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- **Firebase Task Manager App — Android (Firestore, Firebase Auth, RecyclerView)**
 - Developed a task management application with secure login/registration using **Firebase Authentication** and realtime task storage via **Firebase** snapshot listeners.
 - Implemented dynamic RecyclerView for user-specific tasks, supporting add/delete actions, priority selection, and category selection dialogs.
 - Built smooth multi-fragment navigation through a single Main Activity, including form validation, error dialogs, and data sync across fragments.
 - **E-commerce For Women Apparel:**
 - Team Lead, managed team operations, achieving organizational goals and receiving financial appraisal from senior leadership for exceptional performance.
 - Designed and developed the UI/UX for the e-commerce using React-Js, Express-Js, Material-UI, Bootstrap, Headless-UI, Tailwind-CSS
 - Developed backend using Node-Js, Express-js and used other libraries such as Multer, JWT, cors, Axios, zustand
 - Integrated using Express-Js and used MongoDB for database, for e-commerce data, also used Cloudinary for image storing on server and deployed it using AWS
 - Check it out: [Sakhi](#)
 - **SIH-2023:**
 - Developed the roadmap and researched for DhanvantariAI: A software that suggests drugs and formulations for a disease/ pharmacological property based on the Ayurvedic classical books/Repositories.
 - Team had successfully made a model for image-to-text, and tested it.
 - **HackNUthon 5.0:**
 - Developed the UI for an e-commerce website with chatbot for assistance using React-Js.
 - Hosted the website.
 - Implemented APIs like GET and POST and tested them using Postman.
 - Check it out: [Wisecart](#)
 - **Sign Language Interpreter:**
 - Developed UI for a sign language interpreter
 - Trained and used the LSTM machine learning model, used mediapipe, SKlearn, open CV and matplotlib of Python.