Medha Jani

Software Engineering Intern

98217.medhajani@gmail.com ◇ LinkedIn ◇ Portfolio

SUMMARY

Software Engineering graduate student experienced in **full-stack development**, including **client-side UI**, **server-side logic**, and **API-driven applications**, with practical exposure to **cloud platforms, databases, and version control systems**.

SKILLS

Programming Languages   HTML5, CSS3, JavaScript, C++, C, Python, React-Js, Next-Js, Express-Js, Node-Js, Java
Databases   MongoDB, Firebase
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
Languages   English

EDUCATION

Masters in Computer Science, University of North Carolina at Charlotte
Aug '25 — Present
Charlotte, USA
- Pursuing Masters in Computer Science from University of North Carolina at Charlotte, North Carolina

Bachelor of Engineering in Computer Science, Vidush Somany Institute of Technology and Research (GPA: 8.10)
Oct '21 — May '25
Gandhinagar, India
- Bachelor of Engineering in Computer Science and Engineering from Vidush Somany Institute of Technology and Research, Gandhinagar, India, CGPA: 8.10

PROJECTS

Weather Application - Android Link
- 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.
- Designed multi-screen navigation using **Fragments and Bundles**, handling asynchronous network calls and error states gracefully.

Wellness Tracker App - Android
- 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.

Forums Application Link
- Designed and developed a **real-time Android Forums application** using **Java, Firebase Authentication, and Cloud Firestore** with scalable data modeling.
- Implemented **fragment-based architecture**, **RecyclerViews**, and **role-based UI logic** with atomic Firestore updates.

- Integrated **CRUD operations**, input validation, and role-based UI controls, following **clean code practices** and **version control with Git**.

Sakhi Link
- Built a **scalable full-stack MERN e-commerce platform** with role-based authentication (JWT), RESTful APIs, advanced search/filtering, cart, wishlist, and order management using **React/Next.js, Node.js, Express, and MongoDB**.
- Integrated **Python-based AI systems**, including an **intelligent chatbot for user assistance** and a **personalized recommendation engine**, enhancing user engagement through data-driven product suggestions.

Participations and Projects
- MERN Stack Workshop participation and project work.
- **Natural Language Processing** by **NPTEL**
- Mobile Application Development, UNCC
  Data Structures and Algorithms, UNCC

- Visual Analytics, UNCC