ANVAYA ARSHA

⚲* Ranchi, JH ✉ anvayaarsha2003@gmail.com 📞 +91 7440821271 in LinkedIn ⌂ GitHub ⊕ Portfolio

EDUCATION

Vellore Institute of Technology   **2022 – 2026**
B.Tech in Computer Science & Engineering   *CGPA: 7.52 / 10*

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, HTML5, CSS3, SQL

Frameworks & Technology: MERN Stack, Next.js, Three.js, RESTful APIs, FastAPI, JWT Authentication, Streamlit, ML

Core Competencies: SDLC, Debugging & Unit Testing, Agile Methodologies, UI/UX

Tools & Platforms: VS Code, GitHub, Figma, Adobe XD, Illustrator, WIX Studio

PROFESSIONAL RECOGNITION

LabelNest   **Nov 2025 – Present**
Web & Brand Intern   *Remote*
- Joined as a Web & Brand Intern under NestHQ, supporting branding, web development, and digital initiatives.
- Collaborated with senior leadership to maintain design consistency and improve user-facing experiences.

MIXLabs Creative Pvt. Ltd.   **Jan 2024 – Jul 2024**
UI/UX Full Stack (Intern)   *Remote*
- Completed a 6-month UI/UX and Full Stack internship designing AI-generated characters and digital assets for web and social media.
- Improved design workflows and ensured UI consistency across products and official website.

PROJECTS

Expense Tracker Web App   **Jan 2025 – Apr 2025**
MERN, JWT, SQL
- Engineered a full-stack MERN application with secure JWT authentication, SQL-backed data management, and modular backend APIs.
- Handled 500+ daily transactions with strong validation layers, ensuring consistent performance and reliable error handling.
- Optimized key React components and rendering patterns, reducing overall load times by 35%.

Enhanced Disease Prediction System   **Mar 2025 – May 2025**
Python, Streamlit, Random Forest
- Developed a Streamlit health-prediction dashboard with Random Forest for 100+ users, providing personalized risk assessments.
- Integrated interactive charts and heatmaps to visualize regional and seasonal health trends for clearer decision insights.
- Applied key accessibility improvements—including better form structure and validation—which reduced user input errors by 15%.

AI/Smart Spirometer   **2025**
ML, Arduino, Proteus
- Built a respiratory analysis prototype with MQ, SDS011, DHT22, and NTC sensors for accurate breath and environmental monitoring.
- Designed the PCB layout and optimized the signal-processing workflow, improving overall measurement accuracy by 20%.
- Integrated a compact OLED display for real-time on-device readings and conducted detailed usability testing to enhance user interaction.

AI Voice Agent   **2025**
Python, FastAPI, Gemini API, TTS, JavaScript, CSS
- Developed an AI voice assistant with real-time speech recognition, NLU, and conversational responses.
- Built a FastAPI backend with async httpx calls and Gemini API for intent processing.
- Implemented an STT–LLM–TTS pipeline using PyAudio and SpeechRecognition, with a JavaScript/CSS frontend.

LEADERSHIP & ACHIEVEMENTS

- **Summer of Bitcoin 2025** – Advanced to the Proposal Round for research, problem-solving, and open-source contributions.
- **Head of Design, VITronix Club** – Directed UI/UX, led 6 designers, and delivered event-focused digital assets.
- **Core Member, Sports Club** – Organized 5+ tournaments with 200+ participants, managing logistics and coordination.
- **Silver Medalist, Aarambh Cricket Tournament** – Represented VIT Bhopal among 10+ competing teams.

CERTIFICATIONS

Full Stack Developer (MERN), SmartBridge x MongoDB   **2025**

Generative AI Career Essentials, IBM Career Education   **2025**