

ANVAYA ARSHA

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EDUCATION

VIT Bhopal University

B.Tech in Computer Science & Engineering (Health Informatics)

2022 – 2026

CGPA: 7.51 / 10

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C/C++, HTML5, CSS3, SQL

Frameworks & Technology: MERN Stack, RESTful APIs, JWT Authentication, Streamlit, ML

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

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

PROFESSIONAL RECOGNITION

MIXLabs Creative Pvt. Ltd.

2024

UI/UX and Frontend Designer (Intern)

- Completed a 6-month internship as a UI/UX and Frontend Designer, collaborating directly with the Founder.
- Designed AI-generated characters and created digital graphics used across the company's website and social media platforms.
- Contributed to UI consistency and enhanced design workflow for better product visual alignment.

Summer of Bitcoin

2025

Advanced to Proposal Round

- Selected from a global applicant pool after clearing 3 competitive rounds.
- Recognized for research, problem-solving, and innovative solutions in open-source Bitcoin projects.

PROJECTS

Expense Tracker Web App

Jan 2025 – Apr 2025

MERN, JWT, SQL

- Engineered a full-stack MERN application implementing secure JWT authentication and SQL integration for persistent data storage.
- Processed 500+ transactions daily with real-time validation and error handling to ensure data integrity.
- Optimized React components reducing load times by 35% and improving mobile responsiveness.

Enhanced Disease Prediction System

Mar 2025 – May 2025

Python, Streamlit, Random Forest

- Developed an interactive Streamlit dashboard predicting disease outcomes using Random Forest for 100+ users.
- Integrated dynamic charts and heatmaps for regional and seasonal health trends.
- Applied accessibility standards improving navigation and reducing input errors by 15%.

AI/Smart Spirometer

2025

ML, Arduino, Proteus

- Built a multi-sensor respiratory analysis device integrating MQ gas sensors, SDS011, DHT22, and NTC thermistor.
- Developed PCB architecture and signal processing algorithms improving detection accuracy by 20%.
- Implemented OLED feedback for immediate results and collaborated with stakeholders for usability testing.

LEADERSHIP & INITIATIVES

Head of Design – VITronix Club

Sep 2024 – Feb 2025

VIT Bhopal

- Directed UI/UX and branding initiatives; mentored a team of 6 designers and coordinated cross-functional teams.
- Delivered websites and event assets on time, increasing event participation by 20%.

Core Member – Sports Club & Silver Medalist Aarambh Cricket Tournament

2023 – 2024

VIT Bhopal

- Organized 5+ inter-college tournaments with 200+ participants; managed logistics and coordination.
- Secured Silver Medal representing VIT Bhopal in Aarambh Cricket Tournament among 10+ teams.

CERTIFICATIONS

Full Stack Developer (MERN)

2025

SmartBridge x MongoDB

Generative AI Career Essentials

2025

IBM Career Education

C, C++ Programming Certificate

2023

ShineSkill Software Pvt. Ltd.