

YASH GUPTA

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EDUCATION

Bachelor of Technology, Computer Science and Engineering	2023-2027
VIT Bhopal University	
CGPA : 8.41/10	
Senior Secondary Education (CBSE)	2023
St. Anns School	
Percentage: 78.8%	

SKILLS

Web & Backend Basics	HTML, CSS, JavaScript, Node.js, REST API Fundamentals
Programming Skills	Python, C++
Cloud Computing	AWS
Data Engineering	SQL, JSON
Tools	Git, GitHub
Machine Learning Frameworks	Scikit-learn, TensorFlow, Matplotlib, Pandas
UI/UX Design	Figma, Canva
Soft Skills	Active Listening, Online Project Management, Virtual Teamwork

PROJECTS

Healthcare Tracker

- Developed a healthcare monitoring system using Python to track and analyze patient health metrics in real time.
- Implemented modules for vital sign tracking, medication reminders, and historical health data analysis.
- Integrated interactive data visualization dashboards for monitoring trends and improving usability.
- Designed backend database operations for efficient storage and retrieval of healthcare records.
- *Technologies: Python, JavaScript, MySQL, HTML, CSS, Plotly*

Signal Processing using IoT

- Built an IoT-based sound signal processing system using Raspberry Pi and ESP8266 (NodeMCU) with microphone sensors.
- Performed signal acquisition, preprocessing, and feature extraction using Python libraries.
- Implemented real-time sensor communication and optimized data transmission for embedded systems.
- Visualized processed signal data for analysis and monitoring purposes.
- *Technologies: Python, Raspberry Pi, ESP8266, IoT, Signal Processing*

WORK EXPERIENCE

Full Stack Development Intern @ Meril Life Sciences, Vapi

 2025

- Developed and maintained web applications, REST APIs, and JSON-based client-server integration.
- Collaborated on UI/UX wireframing using Figma and worked in an Ubuntu-based development environment.
- *Skills: Go, SQL, REST API, JSON, Figma*

ACHIEVEMENTS AND CERTIFICATIONS

- **Participated in Smart India Hackathon** Sep 2025
- **Udemy: 100 Days of Code – The Complete Python Pro Bootcamp** 2025
- **Udemy: The Complete Full-Stack Web Development Bootcamp** 2025
- **NPTEL: Introduction to Machine Learning** Apr 2025

EXTRA-CURRICULAR ACTIVITIES

- Playing Cricket, Badminton and Table Tennis.
- **Scheduling and Planning Co-Lead of VITKULT Club-** Played a key role in establishing VITKULT, a pioneering club at the intersection of art, culture, and technology, fostering a creative space for interdisciplinary collaboration.
- **Event Management Co-Lead of EV Club-** Successfully organized two events with 100+ participants in each of them.