ANSH GARG

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EDUCATION

B.Tech – Computer Science and Engineering, VIT Bhopal University   **2022 − 2026** (expected)
Cumulative GPA: 8.42
Senior Secondary (12th standard), Sudhir Memorial Institute   **2020 − 2021**
Percentage: 73%
Secondary (10th standard), Sudhir Memorial Institute   **2018 − 2019**
Percentage: 92.3%

SKILLS

Languages: HTML, CSS, JavaScript, Python, SQL, Java
Frameworks: React, Express.js, Bootstrap, Material UI
Tools: Node.js, MongoDB, Git, Wireshark, Jest
Tech Stack: MERN (MongoDB, Express.js, React, Node.js), Data Structures and Algorithms, Object Orineted Programming(OOPS)

PROJECTS

Network Traffic Analyzer: *Python, Wireshark, Flask, HTML/CSS/JS*

- Developed a real-time tool to monitor and analyze network traffic.

- Identified security threats through packet analysis and visualized data via an intuitive web interface.

TradeHub — *Full-Stack Trading Platform* : *HTML, CSS, JavaScript, React, Bootstrap, Material UI, Node.js, Express.js, MongoDB*

- Built a responsive front end with React, styled using Bootstrap & Material UI.

- Developed a Restful API with Node.js/Express and integrated MongoDB for user & portfolio data.

- Implemented Jest tests for back-end logic and front-end components.

Sign Language Detection System: *Python, OpenCV, TensorFlow/Keras*

- Developed a system that detects and interprets American Sign Language (ASL) hand gestures using computer vision and deep learning.

- Real-time gesture recognition using the webcam feed, improving accessibility to communication for hearing-impaired people.

EXTRA-CURRICULAR ACTIVITIES

- Completed the NPTEL "Foundations of Cyber Physical Systems" certificate, covering system design, sensors, and real-time operations.

- Earned the "Python Essentials" certificate from Vityarthi, gaining a solid foundation in Python programming and problem solving.

- Achieved the "Cyber Security" certificate from IBM, focusing on network security, threat models, and cryptographic basics.

- Obtained the "Gen AI" certificate from IBM, exploring the fundamentals, use cases, and ethical implications of Generative AI.