

SHRUTI KUMARI

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EDUCATION

VIT Bhopal University

Bachelor of Technology (Computer Science Engineering) Core

Bhopal, Madhya Pradesh, India

2022-2026

Indian Public School

Physics, Chemistry, Maths

Hajipur, Bihar, India

2020-2021

WORK EXPERIENCE

Codsoft

AI Intern

India

Feb 2024-Mar 2024

- Built an NLP-driven chatbot using Python, enhancing conversation flow management.
- Implemented an AI-powered Tic-Tac-Toe using Minimax algorithm, NumPy & Pygame, optimizing decision-making.
- Engineered a real-time face detection & recognition system using OpenCV, TensorFlow & Deep Learning.

PROJECTS

1. Non-Invasive Method for Evaluating Anemia and Hemoglobin Levels:

- Pioneered Arduino-based firmware for non-invasive hemoglobin measurement, reducing patient discomfort by 60%.
- Optimized sensor integration and streamlined diagnostics to enhance overall accuracy.
- Tech Stack:** Arduino, Sensors, Embedded Systems.

2. AI application for face detection and recognition in images or videos:

- Spearheaded an AI application for face detection in images/videos using Haar cascades and deep learning.
- Implemented face recognition with Siamese networks and ArcFace, enhancing identification accuracy.
- Tech Stack:** OpenCV, TensorFlow, Deep Learning, Computer Vision

3. Smart Liquid Cooling System Using Peltier Module:

- Led the software development for an efficient, cost-effective liquid cooling system utilizing a Peltier module.
- Programmed and integrated an Arduino-based control system with a DS18B20 temperature sensor and rotary encoder for precise real-time monitoring and adjustment.
- Developed optimized firmware to enhance thermal regulation and energy efficiency while preventing contamination.
- Focused on system automation and performance optimization through advanced coding techniques.

CERTIFICATES & ACHIEVEMENTS

- NPTEL Cloud Computing [🔗](#)
- Qualified Lam Research Challenge Round 1 and advanced to Round 2 [🔗](#)
- Complete Course of Simulink Onramp [🔗](#)
- Introduction to C++ course from Simplilearn [🔗](#)
- Python Essentials Course by Vityarthy [🔗](#)
- Secured 294th rank in Code Clash 2025, by Let's Code Community [🔗](#)
- The Bits and Bytes of Computer Networking by Coursera [🔗](#)
- Fundamentals of Digital Marketing Certification by Google [🔗](#)

SKILLS

- Programming Languages:** Python, C, C++, HTML, CSS, Javascript
- Concepts:** Data Structures and Algorithms (DSA), Natural Language Processing, OOP, Machine Learning, AI, UI/UX
- Technologies:** AWS, Figma, Canva
- Database:** MySQL
- Soft Skills :** Team bonding, Leadership, Time Management, Critical Thinking, Problem-Solving, Communication, Adaptability, Collaboration