

SHRISTI SINGH

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science

2022-2026

CGPA: 8.43/10

SKILLS AND ABILITIES

- Programming Languages: C++, Java (Intermediate), Python (Intermediate)
- Frameworks & Libraries: React.js, Node.js
- Databases: SQL, MongoDB
- Tools & Concepts: Git, GitHub, API Integration, Object-Oriented Programming (OOP), Computer Networks, Computer Vision

PROJECTS

Assetra

Tech Stack: React, Node.js, MongoDB, Mistral AI, Express.js

July 2025

- Spearheaded the development of a full-stack circular economy platform to tackle market inefficiencies in physical asset utilization, aiming to monetize idle inventory and provide affordable rental access.
- Architected and implemented the end-to-end integration of Mistral AI to automate listing creation, develop an image-based damage assessment system, and engineer a support chatbot.
- Drove a 40% reduction in redundant purchases, a 60% decrease in listing time, a 45% drop in disputes, and automated 90% of user queries, significantly boosting platform efficiency.

FemCare

Tech Stack: HTML, CSS, JavaScript, UX Design, Python, Chatbot Integration

April 2025

- Recognized the need for a destigmatized, holistic approach to reproductive health and undertook the challenge to develop a comprehensive wellness platform that moves beyond basic tracking to offer education, community support, and verified medical guidance.
- Spearheaded the front-end development, crafting an intuitive and visually appealing user interface with HTML, CSS, and JavaScript to ensure an engaging user experience. Engineered an AI-powered period tracker with predictive analytics and built an NLP chatbot for verified Q&A.
- Delivered a user-centric platform that empowers users with predictive health insights and instant access to medically-verified information, effectively promoting body positivity and breaking down menstrual taboos through community-driven education.

Code Optimiser

Tech Stack: Python with Streamlit, Html, CSS, Mistral AI

April 2025

- To address the common development bottlenecks of scarce training data, imbalanced datasets, and inefficient code, I was tasked with creating a suite of AI-powered tools to accelerate the ML development lifecycle and improve code quality.
- Developed a synthetic dataset generator using GPT and diffusion models and implemented a balancer with SMOTE. Spearheaded the development of the Code Optimizer, engineering a system that uses GPT-4 and AST-based profiling to analyze and automatically refactor Python code for peak efficiency.
- Enabled rapid prototyping by generating tailored synthetic data, improved model accuracy through automated dataset balancing, and significantly enhanced code performance by automating the refactoring process for time and space complexity.

MomGenie

Tech Stack: HTML, CSS, JavaScript, Chatbot Integration

June 2025

- Engineered an all-in-one app to simplify task management and support mental well-being for mothers by integrating AI and personalized tools.
- Developed an AI chatbot, expense tracker, fitness routines, and stress-relief games; designed an intuitive UI with planners and a community forum.
- Streamlined daily productivity, provided actionable insights for lifestyle management, and fostered engagement through wellness features and community support.

ACHIEVEMENTS

- Advanced to the semi-finals of Meesho's Scripted By Her Hackathon, ranking among the Top 50 teams nationwide.
- Advanced to the second round by qualifying the initial phase and progressing to detailed ideation in EY Techathon 5.0.
- Advanced to the semifinals of Hack Vega 2025, a national-level hackathon organized by MyCareernet and HirePro.

WORK HISTORY AND EXPERIENCE

Infosys Springboard Cohort 4 – Program Trainee

Sept 2025- ongoing

- Completed intensive training in Artificial Intelligence (AI) and Machine Learning (ML)
- Earned certifications from Infosys in Artificial Intelligence Primer and Foundation exam

CERTIFICATIONS

- Ethnus: Full Stack Mern Program Completion
- Python Course: Kaggle
- Postman API Fundamentals Student Expert

May 2025

May 2025

November 2024