

## OBJECTIVE

Final-year B.Tech Computer Science student at Symbiosis Institute of Technology with strong expertise in full-stack development, AI/ML, and IoT systems. Proficient in React.js, Node.js, Python, C++, and cloud deployment using AWS. Built multiple real-world projects involving image generation, object detection, and safety systems. Recently developed VAPSI, a missing person detection platform using facial recognition and text-based matching with MOBILEFACENET. Passionate about developing scalable, responsive, and impactful software applications.

## EDUCATION

- **Symbiosis Institute of Technology (SIT)** Sep 2022 - Sep 2026  
*Bachelor of Technology - Computer Science*  
◦ Grade: 7.4/10 (Till 6th semester) Pune, India
- **Prestige Public School** Jun 2020 - May 2022  
*High School Diploma*  
◦ Grade: 9/10 Indore, India
- **Prestige Public School** Jun 2018 - Jun 2020  
*Middle School Diploma*  
◦ Grade: 9.1/10 Indore, India

## PROJECTS

- **VAPSI – Missing Person Detection System**  
*Python, Flask, Deep Learning, OpenCV, MongoDB, HTML/CSS, JavaScript, AWS EC2*  
*Apr 2024 – Present*
  - Designed a facial recognition system to identify missing persons from user-submitted images.
  - Integrated an LLM to enable semantic matching between user queries and facial metadata.
  - Built a stacked model combining facial feature extraction and text similarity for improved accuracy.
  - Implemented role-based access to restrict profile viewing to verified matches, ensuring ethical compliance.
  - Currently working on a research paper for **HITA (Hybrid Intelligence: Theories and Applications)** on a multimodal model capable of detecting and analyzing text and images simultaneously.
- **Risk-Lens**  
*Python, XGBoost, Random Forest, Next.js, LangChain, Pinecone*  
*June 2025 – Aug 2025*
  - Developed an AI-powered risk assessment platform integrating financial and health risk prediction using **XGBoost** and **Random Forest** models.
  - Applied advanced preprocessing techniques including **SMOTE**, categorical encoding, and feature scaling to ensure balanced and reliable predictions.
  - Designed and deployed a **custom RAG chatbot** using **LangChain**, **Pinecone**, and **LLMs** (Google Gemini, HuggingFace) for interactive risk-related Q&A.
  - Built a **Next.js & React/TypeScript dashboard** to visualize risk insights with an intuitive and user-friendly interface.
- **AI Image Generator – MERN + DALL·E**  
*MongoDB, Express.js, React.js, Node.js, OpenAI API, Firebase*  
*Jan 2024 – Mar 2024*
  - Built a full-stack app allowing users to generate AI images from text prompts via OpenAI DALL·E.
  - Implemented Firebase-based authentication and cloud storage for generated images.
  - Optimized prompt submission with asynchronous API handling for smoother user experience.
- **Math-Based Asteroid Game: An Interactive Game for Learning Math**  
*Python, Pygame*  
*Sept 2024 – Nov 2024*
  - Created a math-based arcade game where players solve problems to destroy asteroids.
  - Developed adaptive difficulty and dynamic scoring to enhance player engagement and learning.
- **IoT-Based Alcohol Detection System**  
*NodeMCU, MQ-3 Sensor, Arduino, C++*  
*Sept 2023 – Dec 2023*
  - Developed a vehicle-mounted breath detection system to prevent drunk driving.
  - Integrated an ignition lock and mobile alert system for real-time intervention.

EXPERIENCE

<div><div>• ISKCON (Service-Learning Project) [🌐]</div><div>Technical Contributor</div><div><div>◦ Developed SCORM-compliant e-learning modules, improving digital accessibility.</div><div>◦ Built a math-based asteroid game for interactive learning.</div><div>◦ Transcribed and digitized educational materials for streamlined documentation.</div></div></div> <div><div>July 2024 - Dec 2024</div><div>Pune, India</div></div>
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SKILLS

<div><div>• Programming Languages: Python, Java, C, C++, JavaScript, SQL</div><div>• Web Technologies: HTML, CSS, React.js</div><div>• Database Systems: MongoDB, MySQL, PostgreSQL</div><div>• Cloud Platforms: AWS, Azure</div><div>• Data Science &amp; ML: TensorFlow, PyTorch, Pandas, NumPy, OpenCV</div><div>• DevOps &amp; Version Control: Git, GitHub, Docker, CI/CD</div><div>• Other Tools: Power BI, Tableau, Arduino, Raspberry Pi</div></div>
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LEADERSHIP EXPERIENCE

<div><div>• Finance Head Cultural Council</div><div>2024 - Present</div></div>	SIT, Pune
<div><div>• E-Sports Event Lead</div><div>Jan 2025 - Present</div></div>	SIT, Pune

VOLUNTEER EXPERIENCE

<div><div>• Support Volunteer for Differently Abled Persons</div><div>Dec 2024 - Jan 2025</div></div>	Local Community Outreach Program
<div><div>• Rath Yatra Volunteer</div><div>Sep 2024 - Sep 2024</div></div>	ISKCON

CERTIFICATIONS

<div><div>• Certification in Design Thinking</div></div>	Jan 2025
<div><div>• Infosys Springboard Big Data 101 Certification</div></div>	Aug 2025
<div><div>• IntelliPaat DevOps Course Certification</div></div>	Aug 2025
<div><div>• Hedera Hashgraph Developer Certification</div></div>	July 2025

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native)

Interests: Software Development, Machine Learning, Cybersecurity, Esports