SHINE SURI

Vadodara, Gujarat

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SUMMARY

B.Tech CSE penultimate-year student (CGPA 8.36) with research internship experience in AI/ML, fraud detection, and UAV systems. Proficient in Python and multiple programming languages, with a strong interest in applied research and system-level problem solving. Hands-on project experience through research work at IISc Bengaluru, Infosys Springboard, C-DAC training, and Smart India Hackathon, demonstrating teamwork, analytical thinking, and end-to-end project execution.

EDUCATION

GSFC Univeristy   **2023 - 2027**
*B.Tech, Computer Science and Engineering - **CGPA - 8.36 - (4th Semester)***   *Vadodara, Gujarat*

EXPERIENCE

Research Intern at Indian Institute of Science (IISc) Bangalore   **December 2025 - 2026 Present**
Role - Research Intern   *Bengaluru, Karnataka, India*
- Conducted interdisciplinary research combining non-thermal plasma technology and computational analysis to study seed germination and early plant growth.
- Developed an automated seedling growth measurement pipeline using OpenCV for image pre-processing, segmentation, contour detection, and pixel-based length estimation.
- Processed large-scale plant seedling image datasets (300+ images per class) to extract growth metrics and reduce human bias in manual measurements.

Project Intern at Infosys Springboard ↗   **November 2024 - January 2025**
Role - ML Intern/Fraud Detection Developer   *Bengaluru, Karnataka, India*
- Detected forged Aadhaar cards by using OpenCV to extract name, DOB, and UID from uploaded images and match them against CSV records.
- Trained a YOLO-based model on labeled Kaggle datasets to classify real vs. fake Aadhaar documents with high accuracy.
- Built a fraud analytics dashboard using Matplotlib and Pandas to visualize detection patterns and flag suspicious non-Aadhaar uploads.

Trainee at C-DAC ↗   **September 2024 - October 2024**
Role - UAV Systems Trainee   *Vadodara, Gujarat, India*
- Underwent hands-on training in designing, building, and simulating drones from scratch.
- Integrated sensors and image capture systems into drone prototypes for analysis tasks.
- Participated in real-world drone flight sessions, gaining practical knowledge of UAV operations and control.

TECHNICAL SKILLS

Languages: Python, C++, C, Java
Core CS, AI/ML & Cybersecurity: Data Structures and Algorithms, Operating Systems, Computer Networks, DBMS, Object-Oriented Programming, Computer Vision, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, Cryptography Basics, Network Security
Web & Databases: HTML5, CSS3, JavaScript, React, Node.js, Express, MongoDB, PostgreSQL, Bootstrap, Tailwind CSS
Developer & Research Tools: Linux (Ubuntu), Git, GitHub, Jupyter Notebook, VS Code

PROJECTS

Full Stack Chat App ↗ | MERN, Socket.io, TailwindCSS   **January 2025 - March 2025**
- Built a real-time chat application with authentication, live user status, and secure messaging using Socket.io.
- Implemented JWT-based authentication and global state management with Zustand.
- Deployed full-stack app with proper environment variable configuration and error handling on both client and server sides.
- Live Hosted: Full Stack Chat App   ↗

CERTIFICATIONS

- Oracle Fusion Cloud Applications Certified Foundations Associate — ERP, HCM, SCM CX
  Credential Links: ERP | HCM | SCM | CX
- Introducing Generative AI with AWS - Udacity