

SUSHRUTHA

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SUMMARY

A developer specializing in the intersection of mobile technology and intelligent systems. Leverages Flutter, Python (OpenCV), and real-time audio analysis to build applications that can see, hear, and interact with the world—creating software with sensory intelligence.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering Sep 2023 - June 2027
Mangalore Institute of Technology and Engineering
GPA: 9.29
Relevant Coursework: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks, Full Stack Dev, Flutter Mobile Dev.

LICENCES AND CERTIFICATIONS

Introduction to Data Science	Cisco	SEP 2025
Networking Basics	Cisco	AUG 2025
Introduction to CIP	OPSWAT	JUL 2025
AWS Knowledge: Cloud Essentials	AWS Training and Certification	MAR 2025
Certified In Cybersecurity (CC)	ISC2	FEB 2025
Machine Learning with Python	Udemy	FEB 2025
Introduction to Cybersecurity	Cisco	FEB 2025

TECHNICAL SKILLS

- Programming Languages: Java, Python, C, C++, JavaScript, SQL, HTML, CSS, Dart (Flutter)
- Web & Mobile Development: Frontend Development, Web Development, Flutter Development
- Technologies & Tools: Cloud Computing, AI, Cybersecurity, Machine Learning, OpenCV, MediaPipe, Tkinter, Pygame, Sci-Kit
- Databases: PostgreSQL, Supabase, Firebase (basic)
- Version Control: Git, GitHub

PROJECTS

- FinTrix - Financial Management App (Flutter, SupaBase)**
- Developed a cross-platform mobile app using Flutter to allow users to track personal income, expenses, and savings goals.
 - Engineered the backend using Supabase to manage secure user authentication and store transactional data in real-time.
- Middle Finger Blur - Computer Vision Tool (Python, OpenCV, MediaPipe)**
- Engineered a real-time video processing tool in Python to automatically detect and obscure specific hand gestures for content moderation.
 - Utilized the MediaPipe library for high-fidelity hand landmark detection and OpenCV to apply a targeted blur effect.
- NaadSwar - Pitch Detection App (Flutter, Audio Processing)**
- Developed a Flutter app with a custom audio processing algorithm to analyze microphone input and provide real-time pitch detection for musicians.