

# 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.

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## 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.

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## 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

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## 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
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## 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.