

# SUSHRUTHA

Manipal, Karnataka, India

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Portfolio: <https://sushrutha05.vercel.app>



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## PROFESSIONAL PROFILE

A highly motivated and product-minded Computer Science student with a 9.29 GPA. Specializing in the intersection of mobile technology and intelligent systems, with proven experience building full-stack applications from concept to completion. Possesses a deep interest in computer vision, audio intelligence, and embedded systems, with a consistent record of high achievement in both academic and competitive environments.

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## CAREER OBJECTIVE

Seeking a challenging software development internship where I can apply my skills in AI, computer vision, and full-stack mobile development to contribute to impactful projects. Eager to learn from experienced professionals, develop practical solutions, and grow within a team dedicated to technological excellence.

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## EDUCATION

**Bachelor of Engineering, Computer Science & Engineering** | Sep 2023 – Present

*Mangalore Institute of Technology and Engineering*

**Cumulative GPA: 9.29 / 10.0**

### Relevant Coursework: Relevant Coursework:

- Data Structures & Algorithms
- Object-Oriented Programming
- Operating Systems
- Database Management Systems
- Computer Networks
- Full Stack Development
- Mobile Development using Flutter
- Embedded System Design

**Pre-University, PCMCs** | June 2021 – March 2023  
Mahatma Gandhi Memorial College  
**Percentage: 95.83**

**SSLC** | Year of Passing 2021  
Christian High School  
**Percentage: 94.88**

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## TECHNICAL SKILLS

- **Languages:** Python, Java, Dart, C++, C, JavaScript, SQL
  - **Mobile Development:** Flutter, Android Studio
  - **AI / Machine Learning:** Computer Vision (OpenCV, MediaPipe), Audio Processing, Scikit-Learn
  - **Backend & Cloud:** Supabase, PostgreSQL, Firebase, AWS (Cloud Essentials)
  - **Web Technologies:** HTML, CSS, JavaScript, Chrome Extension APIs
  - **Developer Tools:** Git, GitHub, Notion
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## TECHNICAL PROJECTS & EXPERIENCE

### **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.

### **GestureGuard - 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, relevant for applications in automated safety systems.
- 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 application to provide musicians with immediate, real-time feedback on vocal or instrumental pitch accuracy.
- Implemented a custom audio processing algorithm to analyze raw microphone input and accurately identify the fundamental musical frequency.

## **TabKeep – Browser Extension for Productivity** (JavaScript, Chrome API)

- Developed a lightweight browser extension using JavaScript and Chrome APIs to save, manage, and restore tab sessions effortlessly.
  - Utilized the Chrome Storage API to securely sync user sessions across multiple devices, enabling a seamless workflow restoration.
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## **ACHIEVEMENTS & COMPETITIVE PROGRAMMING**

### **Shree Devi's Tech Fest, [DEC 2024] | 1st Place Winner, Blind Coding Competition**

- Secured first place in a high-pressure competition requiring participants to code with their monitors turned off.
- Demonstrated profound command of C syntax and logic by writing the entire solution without any visual feedback, relying solely on mental code visualization.
- Produced a bug-free program that passed all test cases upon the first check, proving exceptional accuracy and attention to detail under extreme constraints.

### **Smart India Hackathon (SIH) 2025 | Participant**

- Collaborated in a team to design and develop a comprehensive finance tracking application aimed at improving financial literacy.
  - Focused on engineering the application's backend logic and database schema using Supabase.
  - Successfully developed a functional prototype and presented the project to a panel of judges.
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## **LEADERSHIP & VOLUNTEER EXPERIENCE**

### **Event Organizer, 'Hack n Seek' Technical Competition | [SEPT, 2025]**

- Co-organized a two-round technical event, successfully managing logistics and coordination for nearly 50 participating teams.
  - Played a key role in designing the problem statements for the initial round, focusing on core data structures and algorithmic challenges.
  - Contributed to the promotion and outreach for the event, helping to attract a large and competitive pool of participants.
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## LICENCES & CERTIFICATIONS (Selected)

Certification Name	Provided By	Month and Year of Issue
Introduction to Data Science	Cisco	SEP 2025
Complete Git and GitHub	Geekster	MAY 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
OpenCV Bootcamp	OpenCV University	DEC 2024
Introduction to Artificial Intelligence	Infosys Springboard	DEC 2023

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## SOFT SKILLS & PERSONAL ATTRIBUTES

- **Problem-Solving:** Strong analytical skills with the ability to architect solutions to complex algorithmic problems.
- **Discipline & Consistency:** Focused, growth-driven, and consistent in execution, as reflected in both academic performance and personal interests.
- **Rapid Learning:** Excellent at learning and applying new tools, frameworks, and technologies independently.
- **Communication & Teamwork:** Strong ability to collaborate in a team environment and present technical concepts clearly.

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## PERSONAL PROFILE

- **Date of Birth:** 02-03-2005
- **Nationality:** Indian
- **Languages Known:** English, Kannada, Hindi

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## DECLARATION

I hereby declare that all the above-furnished information is true and correct to the best of my knowledge and belief.

**Place:** Manipal

**Date:** 16-10-2025