

SUSRUTHA

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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.

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.

EDUCATION

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

Mangalore Institute of Technology and Engineering

Cumulative GPA: 9.29 / 10.0

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: 94.8

SSLC | 2021

Christian High School

Percentage: 95.3

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.

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, relevant for applications in automated safety and privacy 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.

LEADERSHIP & VOLUNTEER EXPERIENCE

Event Organizer, 'Hack n Seek' Technical Competition | [Month, Year]

- 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.

LICENCES & CERTIFICATIONS (Selected)

- 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

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