

# ABI SWETHA



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Portfolio Webpage-abiswethaganesh

## PROFILE

Full-stack developer passionate about creating applications that don't just work — they last. From backend logic to frontend design, I enjoy solving tough problems and turning them into clean, reliable solutions. With an eye for design and a habit of constantly learning, I focus on making development both efficient and impactful.

## EDUCATION

### Bachelor of Technology | Computer Science Engineering

2023 - 2027

Amrita Vishwa Vidyapeetham | Chennai

- CGPA: 8.76 / 10

### Higher Secondary | 12th

2022 - 2023

Akshaya Academy, Oddanchatram | TamilNadu

- CGPA: 8.58 / 10

### High School | 10th

2019 - 2020

Prasiddhi Vidyodaya, Dindigul | TamilNadu

- CGPA: 9.22 / 10

## PROJECTS

### SOS Predictor for Women's Safety | Python, OpenCV, MediaPipe

Dec 2025

- Developed an AI-powered SOS detection system that identifies hand gestures and lip-movement patterns corresponding to the silent phrase "help me."
- Implemented real-time computer vision pipelines using OpenCV and MediaPipe for robust landmark tracking and gesture recognition.
- Enabled discreet emergency activation by triggering alerts without requiring any physical interaction, works offline and lightweight designed specifically for women's safety scenarios.

### News App with a Hidden Chat Server | Flutter,Dart

Jun 2025

- Created a Flutter-based news application with an embedded secret chat feature, accessible only through a hidden button known to specific users.
- Incorporating real-time news updates via REST APIs and intuitive, secure navigation. Integrated Firebase Authentication and Firestore for secure, real-time messaging.
- Ensured high user privacy by concealing chat access within a fully functional news interface, making it indistinguishable to outsiders. Improved user security by ensuring 100% hidden chat access.

### Portfolio Website | HTML, CSS, JavaScript, GitHub Pages

Nov 2025

- Designed and developed a fully responsive personal portfolio website showcasing my projects, skills, education, and achievements.
- Implemented a clean UI with pixel-art themed backgrounds and interactive elements for an engaging user experience.
- Built and integrated a mini piano-game using JavaScript
- Added a functional contact form using Formspree for direct communication.
- Deployed the website using GitHub Pages, ensuring fast loading and cross-device accessibility.

### Mobile App for Local Shop | Java, Android Studio

Nov 2025 - Present

- Currently developing a mobile application to assist my father in efficiently managing product listings, customer orders, and inventory for his wholesale store.
- Building features for real-time inventory tracking, order placement, and payment calculation tailored to the store's daily operations. Enables shop owner to cut manual effort by 50%

## TECHNICAL EXPERTISE

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- **Programming Languages:** C, Java , Python
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** SQL

- **Development Tools:** Flutter,OpenCV
- **Other Skills:** Problem Solving,Critical Thinking

## SKILLS

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- Storytelling
- Creativity
- Active Listening
- Crisis Management
- Persuasive Negotiation

## CERTIFICATES AND EXPERIENCE

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**Full Stack Development Workshop | Amrita Vishwa Vidyapeetham** Feb 2025

- Gained comprehensive knowledge of frontend and backend technologies, including building responsive user interfaces, managing databases.

**Applied Generative AI Certification | Infosys** Jul 2025

- Completed a virtual certification focused on Generative AI fundamentals, prompt engineering, and LLMs

**Machine Language Certification | Nptel** Jul-Sep 2025

- Learning the fundamentals of machine learning, including supervised and unsupervised learning techniques.

**BOLT World's Largest Hackathon | Bolt,WorkEZ** Aug 2025

- Participated in BOLT Hackathon and built an AI-driven supply chain model to generate statistical reports on company goods.

**Prompt Engineering Certification | Infosys** Sept 2025

- Trained in prompt design and AI interaction strategies to generate accurate, context-aware outputs for diverse applications.

**Cloud Computing Certification | Infosys** Sept 2025

- Built proficiency in cloud-native technologies, scalability, and cost-optimized resource utilization.

**Networking Basics Certification | Cisco** Oct 2025

- Strengthened my basics in Networking

## COMMUNITY OUTREACH PROGRAM

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**AmritaVarsham'70** Sept 2024

Participated in AmritaVarsham'70 seva (selfless service) initiatives as part of a community outreach program, contributing to activities like helping people by giving clothes, food, and books. Through these efforts, I gained a deeper understanding of social responsibility and the importance of giving back to the community.

**Volunteering** Dec 2024

Volunteered in cleaning an age-old temple, where I helped remove dirt and debris, cut overgrown branches and weeds, and dust the walls to restore its beauty.

## AWARDS/ACTIVITIES

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Zonal level Kho Kho Champion (Team Captain) 2016-2021

College Badminton Player(Represented Dept) Mar 2024-Apr 2025

100mts,800mts,1500mts Athlete Winner Mar 2024-2025