

# SANDEEP SAHANI

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## EDUCATION

### Silicon Institute of Technology

Bachelor of Technology

Dec '20 - Apr '24

Sambalpur, India

### Seven Hills Residential School

XII (CHSE)

Jul '18 - 'Aug 20

Sambalpur, India

## WORK EXPERIENCE

### SDE(iOS) Intern

Megabit Systems

May '23 - Jul '23

Bangalore

- Developed a Tinder-like iOS dating app from scratch.
- Implemented chat features and integrated payment methods using In-App Purchase.
- Designed UI screens and followed the MVVM architecture.
- **Tools & Technologies:** Swift, Realm, APIs, ParseSwift, and SourceTree.

## ACADEMIC PROJECT

### IoT Enabled Green House Environment Automation |

- Co-authored a research paper on an IoT-based automation system for greenhouses to enhance crop yield.
- Designed a system for remote monitoring using C++, Arduino Cloud, ESP8266 Microcontroller, DHT11, and Moisture Sensors.
- Published the research with Taylor & Francis.

## PERSONAL PROJECTS

### Gym Management System |

- Created a comprehensive platform for gym management and member engagement.
- Developed REST API endpoints for CRUD operations using Spring Boot.
- Built an admin website with ReactJS and an iOS app for gym members.
- **Tools & Technologies:** Swift, Java, UIKit, ReactJS, Spring Boot, PostgreSQL.

### GetFit - API-based fitness iOS application |

- Designed a fitness app providing exercise guides, diet plans, and demo GIFs.
- Integrated user authentication with Firebase Authentication, Cloud Firestore, and Cloud Storage.
- **Tools & Technologies:** Swift, UIKit, MVC architecture, Firebase Authentication, Cloud Firestore, Cloud Storage, Kingfisher, ExerciseDB(API for exercises), Recipe Search and Diet(Food API).

## POSITION OF RESPONSIBILITY

### Mentor and Coordinator

Silicon Robotics Club

Oct '21 - Apr '24

- Guided members in microcontroller programming and basic electronics.
- Led project development using Arduino and related technologies.

### App Development Mentor and Coordinator

Codigo Plataforma(Coding Club)

Oct '21- Nov '22

- Mentored students in application development fundamentals and programming basics.
- Organized a hackathon attended by over 50 participants.

## SKILLS

**Languages:** HTML, CSS, Javascript, SQL, Swift, Java, C

**Tools & Technologies:** ReactJS, SpringBoot, PostgreSQL, Firebase, UIKit, RealmSwift, Git, Github