# Advaita Amrit

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## EDUCATION

**Siddaganga Institute of Technology**                                             Tumakuru, Karnataka
*Bachelor of Engineering in Information Science and Engineering*            *Sept 2023 – July 2027*

**Sacred Heart School**                                                                      Sitamarhi, Bihar
*Higher Secondary Certificate*                                                       *July 2021 – May 2023*

**Podar International School**                    Chhatrapati Sambhaji Nagar, Maharashtra
*Secondary School Certificate, ICSE*                                          *April 2016 – July 2021*

## PROJECTS

**Vision-Controlled Wheelchair** | *Python, OpenCV, Dlib, Arduino, ML*            Oct 2024 – Dec 2024
- Developed a **hands-free wheelchair** using **eye-tracking**, achieving **92% gaze accuracy** and reducing control latency by **40%**.
- Improved accessibility for users with mobility impairments through real-time facial landmark tracking.

**Blockchain-Based Digital Art Copyright Protection** | *Python, Solidity, OpenCV*       Sept 2025 - Dec 2025
- Developed a secure **digital art protection system** combining invisible watermarking and blockchain-based NFTs.
- Enabled secure verification and resale of digital artworks through **decentralized ownership tracking**.

**StockSense Pro – AI-Powered Stock Sentiment Analysis** | *React, FinBERT, Python*       Nov 2025 - Dec 2025
- Built a full-stack **AI-driven stock analysis** platform integrating live market data and financial news sentiment with **88% accuracy**.
- Optimized backend performance by caching ML models and API responses, **reducing response time by ~40%.**
- Implemented **FinBERT-based NLP pipeline** to analyze real-time financial headlines for sentiment classification.

## SKILLS

**Languages**: Java, Python, C/C++, JavaScript, HTML/CSS, Dart
**IT Constructs**: Data Structures and Algorithms(Beginner), OOPS, DBMS, Data Communication
**Libraries**: OpenCV, NumPy, Dlib, pySerial, NLTK
**Area Of Interest** : Full Stack Development, Flutter Developer
**Design Tools** : Adobe Photoshop, Canva, DaVinci Resolve, Wondershare Filmora
**Soft Skills** : Event Coordination, Technical Mentorship, Cross-Functional Communication, Public Speaking

## CERTIFICATES AND ACHIEVEMENTS

**Certified in C++ Programming Fundamentals (Learn Programming using C++)**

**Winner LFR competition at IdEEEas 2024**

## CLUB AND ACTIVITIES

**Member, Club of Robotics SIT (CORSIT)** | *Official Robotics Club of SIT*            Dec 2023 – Present
- Contributed to the national-level competition **ROBOCOR**('24 & '25) and the **Robotics Workshop** ('24 & '25), advancing from volunteer to event organizer and technical mentor.
- Demonstrated a Vision-Controlled Bot at RoboExpo 2024 and a Line Follower Robot (LFR) at the National Technology Day event.

**Member, Team Avalanche** | *Event Management Club*                                    Nov 2023 – Present
- Organized and served as an anchor at **Radiance** (a cultural event) and **Advento** (a freshers' event.)

**Events**
- Participated in national-level hackathons including **Hack-Z 2024** (12-hour hackathon by Team IEEE Photonics and ComSoc Joint Chapter), **Symbiot** (24-hour hackathon by Dept. of ECE, VVCE, Mysuru) and **CodeFury-8.0**(National-Level hackathon by IEEE UVCE Computer Society).
- Actively participated in robotics events such as **Technisium** and **IdEEEas**
- Engaged in multiple coding competitions at fests like **IdEEEas**, **Browse**, **Decode**, and **Bug Bounty**.