

# Yash Satish Sanikop

[✉ konuriyash@gmail.com](mailto:konuriyash@gmail.com) | [+91 817-796-3886](tel:+918177963886)  
[GitHub](https://github.com/ByteLounge) | [LinkedIn](https://linkedin.com/in/yashsanikop)

## Skills

**Languages:** C/C++, Java, Python, JavaScript, TypeScript, Nix, Dart, ALP, HTML, CSS

**Technologies & Tools:** Anaconda, NextJS, NodeJS, React, React Native, FlutterFlow, Firebase Studio/Console, Keil uvision, VScode

## Work Experience

### RoboClub AITD, Goa

Jul 2024 - Present

#### President

- Led the launch of RoboClub's official website, improving visibility and centralizing robotics resources for the student community.
- Coordinated a drone workshop with Garuda Aerospace, providing hands-on UAV experience and introducing practical drone applications.
- Successfully organized RoboRace and Maze Solver competitions during TechUrja 2025, boosting engagement in robotics events.
- RoboClub, Line Follower, Maze Solver, Drones, Arduino, Sensors, Microcontrollers, Embedded Systems, Robotics Events, Teamwork, Leadership, Workshop Facilitation

### FTC, Goa

Jan 2024 - Jan 2024

#### Robot Inspector

- Worked on inspecting RC-controlled robots at TGIRF 2024, ensuring compliance with kit specifications and preventing components that could damage the arena or other robots.
- Contributed to maintaining fairness and safety by validating robot builds, checking for illegal modifications, and guiding teams on necessary corrections during inspections.
- Robotics Inspection, RC Robots, Compliance Checking, Component Validation, Arena Safety, TGIRF 2024, Technical Review, Team Coordination, International Robotics, Event Operations, Problem Solving, Attention to Detail

### SocialPact, Goa

Sept 2023 - Present

#### Robotics Team Member

- Built and worked on Line Follower, Maze Solver, Soccer, and Sumo bots as part of ThunderBots at SocialPact, participating in and winning multiple robotics competitions across Goa's major technical institutes.
- Contributed to the design, coding, and hardware integration of autonomous robots, leveraging Arduino, ESP32, motor drivers, sensors, and batteries to deliver reliable and high-performance builds.
- Arduino, ESP32, L298N, L293D, SparkFun TB, Gear Motors, ServoMotors, IR Sensors, Ultrasonic Sensors, LIPO Batteries, Robotics Algorithms, Autonomous Navigation, Embedded Systems, Team Collaboration

## Education

### AITD Goa

Jul 2023 - Jun 2027

B.E. in Computer Science and Engineering

CGPA: /10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

## Project Work

- **TheraBot AI (2025):** Designed an interactive chatbot for delivering mental health support and guided exercises for stress relief. Integrated sentiment analysis to adapt responses based on user mood. Implemented dynamic dialogue flow using state machines and NLP models. Next.js, TypeScript.
- **UrbanFlow Navigator (2025):** Built a real-time navigation assistant with weather support and AI trip planner that suggests interesting places to visit on the route. Integrated dynamic updates for conditions and personalized recommendations. Used Next.js, TypeScript, Firebase.
- **Local Ledger (2025):** Developed an advanced personal expense tracker with features for budgeting, reporting, reminders, and goal tracking. Enabled secure storage, cross-device syncing, and instant updates. Implemented using Next.js, TypeScript, Firebase.

## Awards and Certificates

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- Resource Person at Maze Solver Bot Building Workshop: Guided students and robotics enthusiasts to identify components, design circuits, and implement code logic for bot movements
- Fundamentals of Digital Marketing course on Google Digital Garage
- Creators of Metaverse (Augmented Reality) course on Meta
- Various programming courses (Python, React, Llama) on NPTEL and Let's Upgrade