

# Ritesh Bonthalakoti

Freelancer

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LINKEDIN | GITHUB | HACKERRANK

## EDUCATION

**SANKETIKA POLYTECHNIC COLLEGE**  
ELECTRONICS & COMMUNICATION : DIPLOMA  
GPA: 9.1

AUG 2023 - Present  
Visakhapatnam

**BHASKER HIGH SCHOOL**  
4-10TH: BASIC SCIENCES  
Percentage: 87%

JUN 2015 - APR 2023  
Parvathipuram Manyam

## EXPERIENCE

**LETSUPGRADE | STUDENT AMBASSADOR**

ONLINE | OCT 2024 – DEC 2024

- \* Promoted tech education and LetsUpgrade initiatives.
- \* Led student engagement, webinars, and workshops.
- \* Enhanced skills in Python, leadership, and public speaking.

**SPC | CLASS REPRESENTATIVE**

Visakhapatnam | SEP 2024 – Present

- \* Bridge faculty-student communication, resolving concerns promptly.
- \* Organize class events and discussions to build community.
- \* Advocate for student interests, ensuring a supportive academic environment.

## SKILLS

PROGRAMMING LANGUAGES	C, PYTHON, HTML&CSS
LIBRARIES/Frameworks	JAVA SCRIPT
TOOLS / PLATFORMS	VS CODE, GITHUB
DATABASES	POSTGRSQL

## PROJECTS / OPEN-SOURCE

**RACEEXPLORER**

IoT & MySQL Technology

An IoT-based system that tracks athlete performance using IR sensors and Arduino, measuring speed, time, and calories burned with real-time results on an LCD or mobile app. Designed for sports events and fitness tracking, with future upgrades for AI analytics and cloud storage.

**IOT HOME AUTOMATION**

Sensors & Actuators

- \* Gained hands-on experience with ESP32 microcontrollers, LEDs, and servo motors.
- \* Learned MQTT protocols for real-time IoT communication.
- \* Managed data integration using PostgreSQL for IoT applications.

## CERTIFICATIONS

- Programing in C - **PROGRAMING HUB**
- Python(Basic) - **HACKERRANK**

## HONORS & AWARDS

- Lets upgrade Bronze winner
- 1st prize on science quiz at SPC (Yuvan 2k24)