

# Tarun Kotagiri

## Artificial Intelligence and Robotics Enthusiast

A Programming Enthusiast eager to contribute to THE FUTURE through smart work, Reliable, Innovative and Excellent Organizational skills.

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📺 [youtube.com/channel/UCzgxVn3sgpQ01Q2XtkarPA](https://youtube.com/channel/UCzgxVn3sgpQ01Q2XtkarPA)

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💻 Tarunkotagiri.dev

🐦 [https://twitter.com/kotagiri\\_tarun](https://twitter.com/kotagiri_tarun)

🐙 <https://github.com/thelastdemon1337>

## EDUCATION

### Bachelor of Technology, CSE

KG Reddy College of Engineering and Tech.

08/2019 - present,

78.0

### Intermediate

Sri Chaitanya Junior College

04/2017 - 03/2019,

93.00

### Schooling

Prathibha High School

04/2007 - 03/2011,

93.00

## PERSONAL PROJECTS

### Intrusion Detection System

- The system emulates a real time security feature : Intrusion Detection System. I used passive infrared sensors for motion detection and a pi camera to record the trespasser. A flask portal is made for real time status updates of the System.
- Code:- <https://github.com/thelastdemon1337/Intrusion-Detection-System>

### AI Virtual Assistant

- This is an advanced Virtual Assistant which is super handy to have in any personal computer. It's also highly customized to suit the daily needs of a common user. Many external APIs are used to make the virtual Assistant Dynamic as well as flexible.
- Code : <https://github.com/thelastdemon1337/Virtual-Assistant-python>

### Smart Crop Protection Using IOT

- Wild boars are one of the major problems for farmers whose land is nearby to the forest. To stop the wild boars entering into the farm, we developed an IoT device that can detect the wild Boars and give loud alert sounds to scare the wild Boars along with iridium lights glowing partially. The main theme of this project is to save the crop from wild animals without harming them.

Code: <https://github.com/thelastdemon1337/UBA-Crop-Protection-Project>

## WORK EXPERIENCE

### IOT Engineer

*Smaragdine Technologies / Hyderabad / 1 month*

#### Achievements/Tasks

- I was in charge of building a Smart Water metering system for a client, whose idea was to lease out water purifiers on monthly subscription. I managed a team and was responsible for the full scale deployment involving OTA updates, Android + iOS application

### Project Manager

IUCEE

Indo Universal Collaboration for Engineering Education is dedicated to improving the quality and global relevance of engineering education in India.

### Campus Ambassador

internshala

Certificate: [drive/u/0/folders/1CBnlosyBDik9LPsF5V49Ik-u-CeDWfYg](https://drive/u/0/folders/1CBnlosyBDik9LPsF5V49Ik-u-CeDWfYg)

## SKILLS

Linux

Python

Artificial Intelligence

CPP

C

Machine Learning

JavaScript

Firebase

Flask

GCP

Git

Github

Android

HTML

CSS

Mysql

java

Arduino

Opencv

## ACHIEVEMENTS

### Google Cloud Essentials | Qwik Labs

GCP Foundations Course

[https://www.qwiklabs.com/public\\_profiles/f16aba99-ed87-4788-856b-7fcc4960101b](https://www.qwiklabs.com/public_profiles/f16aba99-ed87-4788-856b-7fcc4960101b)

### 1 ★ in Hackathon Held on Engineers Day

[https://drive.google.com/file/d/19j8oPx00\\_00JxfXNe6YTXtpAocm03CB/view?usp=sharing](https://drive.google.com/file/d/19j8oPx00_00JxfXNe6YTXtpAocm03CB/view?usp=sharing)

### Programming Contest winner at ICAI Tech

## CERTIFICATES

### AI For Everyone

<https://drive.google.com/file/d/1R0K1uH0S98ny--QU1FvmVvXbdFJUOEta/view?usp=sharing>

### Introduction to Cybersecurity Tools and Attacks

<https://drive.google.com/file/d/1lvL4GgaCarLvyHBnhEkAV4csBPfd-nDf/view?usp=sharing>

### Web Development | PHP, MySQL

[https://drive.google.com/file/d/12pFk3YWFn7a8rBVwe\\_NDBm6uGNHtpclf/view?usp=sharing](https://drive.google.com/file/d/12pFk3YWFn7a8rBVwe_NDBm6uGNHtpclf/view?usp=sharing)

### Ethical Hacking | BufferOverflow Exploits

<https://drive.google.com/file/d/1iBWM2sdWnuKrxVr6ITj6WYVf4PB461I7/view?usp=sharing>

## LANGUAGES

English

Full Professional Proficiency

Telugu, Hindi, Japanese, French.

## INTERESTS

Gaming

Explore

Mystery

Guitar

Shooting