



## GUNJAN GIRI

### SOFTWARE DEVELOPER

### EXECUTIVE PROFILE

I am an Engineering Undergrad with a penchant of New Skills and a Technology Enthusiast eager to work in the field of Software development for Social good and Interested in Machine Learning, Self driving Cars, Robot Vision and Robotics.

### ACCOMPLISHMENTS

- 5\* coder at HackerRank for c++ and 3\* at Problem Solving.
- 2\* coder at CodeChef
- Selected in Top 30 Teams in Hacker earth Hackathon - Smart app to control Crowd at Mall organized by Reva University.
- Selected in Top 32 Teams in a Hacker earth Hackathon - Data Scientist at Hospital organized by GE Healthcare.
- Hack-fest 2.0 - Winner of Hack Fest 2.0 organized by our College for the Selection of SIH 2020.
- Been in Stage 2 of Eyantra by IIT Bombay.

### SKILLS & ABILITIES

**PROGRAMMING LANGUAGES :-** C++, Python, HTML, CSS, Dart, MATLAB, Assembly Level Languages, Javascript.

**SOFTWARE & DEVELOPMENT TOOLS :-** ROS, Arduino\_IDE, open3d, openCV, Point Cloud Library, Keras, Pytorch, Multisim, Keil, Android Studio, Flutter, Anaconda, TensorFlow, Embedded Systems, Linux, Hardware/Software Debugging, Robotics Process Automation, DBMS, OOPs, Computer Networks, SAP ABAP, GitHub

**HARDWARE :-** Arduino, PixHawk, Raspberry Pi, Microprocessor(8085, 8086, 80286), Microcontrollers(8051).

### CONTACT DETAILS

**Email :** [gunjangiri8410@gmail.com](mailto:gunjangiri8410@gmail.com)

**Phone :** +91 9078687656, +91 7978909955

**LinkedIn :** <https://bit.ly/3gufpWC>

**Twitter:** <https://twitter.com/GiriGujju>

**GitHub:** <https://github.com/GunjanGiri>

**Dev :** <https://dev.to/gunjangiri>

**Hacker Rank :** <https://bit.ly/3pUdgaV>

**Codechef :** <https://bit.ly/3cH6MXH>

**InterviewBit :** <https://bit.ly/35n5D3u>

**LeetCode :** <https://bit.ly/3zpO4gV>

**YouTube :** <https://bit.ly/3wsqazp>

**PortFolio :** <https://www.igunjang.me>

## WORK EXPERIENCE

### INTERN - DEVELOPER-ROBOTICS PRODUCTS

K12 TECHNO SERVICES PVT LTD | JUNE 2021-AUGUST 2021

- Working on design of New Robots and it's Algorithms.
- Worked on Battery Optimisation and Creating Libraries.
- Worked on Debugging of Products and it's development.
- Worked on Algorithms and Library Creation.

### ROBOTICS INTERN

TECHNOYANTRA | SEPTEMBER 2020 - DECEMBER 2020

- Worked on Docking part of Robots
- Created a pipeline between docking and robots

### AD-CLOUD ROSIFIER NINJA

OTTONOMY IO | MAY 2020 - AUGUST 2020

- Worked on AWS Robomaker and it's tools
- Setup of ROS Turtlebot 9 and importing lidar and camera
- Setup of Rover Model and Droid Model in AWS.
- Did a data storage in AWS for Automated Annotation
- Made my object detection model Train

## EDUCATION BACKGROUND

### COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR

B.TECH IN ELECTRONICS AND INSTRUMENTATION ENGINEERING | 2018 - 2022

- With a CGPA of 9.0 till 6th Sem

### DR A.N.K DAV PUBLIC SCHOOL, ROURKELA 2016 - 2018

- Higher Secondary Education with 82.4% in PCMB

### CHINMAYA VIDYALAYA(E.M) SCHOOL, ROURKELA | 2005 - 2016

- Secondary Education with 90.2% in Science

## PROJECTS

- **Visual Follow Line exercise of Robotics Academy by JdeRobot Organization** - This was a Project done for the GSoC Program for the year 2021. I had implemented PID algorithm in it for the Robot to follow up line and Cover the Path.
- **PortFolio Website** - Created a website using HTML, CSS, JavaScript for my own Portfolio.
- **Piano Game** - This Project was done using Flutter with a Simple UI in it. It's basically a Tapping Plate game with Sound.
- **Self Driving Car** - This project consists of several parts in which I have Implemented OpenCV first for detection of Advance lanes in the Highway, then used Deep Learning for behavioural Cloning of the Car, and then PID Controller for detection of Turning and Errors in the path by Car.
- **ReRo** - This is an Ongoing Project which can be used in Disaster Management Scenario. Here SLAM Mapping and OpenCV concepts are used. It can help the Disaster Management Committee to fasten the rescue process.

## CERTIFICATIONS

- SAP Certified Development Associate - ABAP with SAP NetWeaver 7.50 | SAP Global Certification
- DevNet Associate | Cisco Networking Academy
- CCNAV7: Introduction to Networks | Cisco NetAcad
- DSA using Python | NPTEL
- Robotics Software Engineer | Udacity
- Self-Driving Car NanoDegree Program | Udacity
- Computer Vision - Object Detection with OpenCV and Python
- Deep Learning Specialization | Coursera
- Algorithmic Toolbox | UCSan Diego

## POSITION OF RESPONSIBILITY

- Technical Coordinator of Zairza - The Technical Society of CETB.
- Core Member of E-Cell - The Entrepreneurship Club of CETB.
- Had been an active Volunteer and Coordinator for the Technical Fest of our College CETB