



Ganesh Reddy

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Gender: Male **Date of birth**: 30/10/2000 **Nationality**: Indian

ABOUT ME

I am an optimistic engineer always self motivated and updated about the latest technologies and inventions. As an robotics engineer, I am always driven towards new projects that can ease the work. I always love to learn and read as education and knowledge cannot go waste.

EDUCATION AND TRAINING

[15/04/2024 – Current]

Masters in Autonomy Technologies

Friedrich-Alexander University <https://www.fau.de/>

City: Erlangen | **Country**: Germany |

[05/08/2018 – 15/07/2022]

Bachelor of Engineering In Automation and Robotics

KLE TECHNOLOGICAL UNIVERSITY <https://www.kletech.ac.in/>

Address: Vidhya nagar,, Dharwad road, 580021, Hubballi, India | | **Final grade**: 7.75/10.0

DIGITAL SKILLS

My Digital Skills

Web Technologies Fundamentals - HTML, CSS | JavaScript (ReactJS) | MongoDBCompass | Python | C | MATLAB | Simulink | Solidworks | Arduino | Machine learning | IMAGE PROCESSING | Microsoft Office

WORK EXPERIENCE

[05/02/2022 – 17/06/2022]

IOT intern

DIGITAL ASSOCIATE INDIA

City: Hyderabad | **Country**: India

- Design of circuit diagram and PCB using KiCad software
- Build and test the designed code for the ESP IDF.
- skills - embedded c, ESP IDF, KiCad, ARDUINO.

[15/01/2022 – 15/07/2022]

Robotics engineer Internship

Centre for Autonomous Systems Engineering(CASE)

City: Hubballi, Karnataka | **Country**: India

Design and build an Automated guided vehicle for the industrial warehouse purpose for VRL logistic LTD. As a member of design team we have designed the AGV and a manipulator for this internship project.

Skills- SolidWorks, ROS(Basic), Dynamixel Wizard 2.0.

PROJECTS

[30/11/2022 – 20/05/2023]

Portfolio website design

Developing an responsive portfolio website using HTML,CSS,Java Script, and react framework.

Link: <https://ganeshreddyportfolio.web.app/>

[05/08/2021 – 05/12/2021]

Senior Design Project

During my 7th semester as a group project we built an automated grading and sorting system using image processing and machine learning concepts.

Link: https://drive.google.com/file/d/1bv5lcnXpH4bo1kBwc11OSZUbqZG2M_N7/view?usp=share_link

[20/01/2021 – 15/05/2021]

Smart Knee Braces (01/2020 - 06/2020)

As a part of “Mini Project” we designed and developed a smart Knee Braces using some sensors, heating material(like nichrome heating pads),step counting system in the pads.

[05/08/2020 – 08/12/2020]

Simulation of Hapkit model

As a part of “Minor Project” we designed a hapkit model. This device is mainly used for educational and industrial purposes, like for calculating some measurements of some parts like velocity, power of engine of vehicle ,etc.

[05/08/2019 – 15/12/2019]

Hospital management System (08/2019 - 12/2019)

As a part of “OOPs and DBMS” course, I developed a software capable of performing CRUD operations, mainly helping the hospital staff to maintain record on daily basis using C# and MySQL database management system.

CERTIFICATE

[25/11/2022 – 26/05/2023]

The Complete 2024 Web development bootcamp-Udemy

I have learned about the fundamental and detail concepts of building a website from scratch using latest technological skills, MERN Stack.

Link: <https://www.udemy.com/certificate/UC-8ac74dab-1a0b-43c3-9b79-9b7eb6571f51/>

[10/02/2020 – 05/05/2020]

Python for everybody offered by the University of Michigan

From this certification I got the knowledge of python and its functions and implementation from basic

Link: <https://coursera.org/share/599d8c487fe2db7c764f8e666a6a02e9>

[13/03/2020 – 23/05/2020]

Capstone: Retrieving, Processing, and Visualizing Data with Python

Link: <https://coursera.org/share/cb0c6a1fbc226ab242d45c85c59414e4>

[01/12/2022 – 31/12/2022]

ROS for Beginners: Basics, Motion, and OpenCV

In this course I learnt about ROS and its frameworks. Basic of ROS nodes, publisher, subscribers. Great learning on OpenCV along with ROS.

Link: <https://www.udemy.com/certificate/UC-5c2edb92-2616-40f5-906c-188e3d849cbd/>

LANGUAGE SKILLS

Mother tongue(s): Marathi

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

German

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Reading Books

Watching Movies

Playing Cricket, Football