

Sridhar Vempati

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1 Introduction

I am pursuing my B.Tech 1st year in Electronics and Communication Engineering from Central University of Karnataka, Gulbarga, Karnataka, India. I am interested in the Internet of Things (IoT), Artificial Intelligence (AI), Embedded Programming, Image Processing. As part of my curriculum, I have done some projects viz Home Automation by Voice Control using Arduino, Weather Station using ESP-32 and BME-280 sensor and I am currently working on Face Recognition using Camera Module and Raspberry Pi 3B.

My GitHub Account: <https://github.com/Sridhar1502>

My LinkedIn Profile: <https://www.linkedin.com/in/sridhar-vempati-2570b9193/>

2 Area of Interests

Internet of Things (IoT), Artificial Intelligence & Machine Learning, Embedded Programming, Image Processing, Web Designing, Flutter App Development

3 Education

- **Central University of Karnataka** 2019-present
Pursuing my B.Tech in Electronics and Communication Engineering from June 2019 onwards.
Anticipated year of passing: 2023
- **Tirumala Jr. College, Andhra Pradesh** 2017-2019
Board of Intermediate Education, Andhra Pradesh
CGPA- 9.73
- **Bhashyam E.M School, Andhra Pradesh** 2016-2017
Board of Secondary Education, Andhra Pradesh
CGPA : 10.00

4 Projects

- Home Automation by Voice Control using Arduino Uno R3
- Weather Station using Esp32
- Facial Recognition Door Lock using Raspberry Pi (Ongoing)

5 Computer Proficiencies

- FreeCAD -(Intermediate)
- C -(Intermediate)
- Python -(Intermediate)
- Linux -(Intermediate)
- HTML5- (Beginner)
- Flutter & Dart-(Beginner)
- Latex-(Intermediate)

6 Memberships

- **Institute of Electrical and Electronics Engineering (IEEE)** 2019-present
IEEE Membership No. - 96100611
Student Branch Central University of Karnataka
- **International Association of Engineers (IAENG)** 2020-present
Membership No.-254271
- **National Society of Professional Engineers (NSPE)** 2020-present
Membership No. -300752046

7 Additional Courses

7.1 MATLAB Courses

- MATLAB Onramp
- Machine Learning Onramp
- Introduction to Linear Algebra with MATLAB
- Deep Learning Onramp (Ongoing)
- MATLAB Fundamentals(Ongoing)

7.2 The App Brewery

- Introduction to Flutter and Dart

7.3 Coursera

- Crash Course on Python

8 Workshops and Seminars Attended

- Expert Lecture Series on **Machine Learning, Internet of Things, Artificial Intelligence, Cloud & Data Analytics** held on 9th August 2019 by IEEE Computer Society, Central University of Karnataka
- One day Workshop on **LaTeX** at University of Hyderabad held on 29th Feb 2020 conducted by IEEE Hyderabad Section.
- Webinar on **Art of Success for Civil Services** organised by Department of Electronics and Communication Engineering, Hirasugar Institute of Technology, Nidasoshi in association with ALS Satellite Education, Delhi on 11th July 2020

9 Awards

- **Got 2nd Prize for Home Automation using Voice Control by Arduino Uno** Project in Techno-Nirman 2019 conducted by School of Engineering, Central University of Karnataka.