Sridhar Vempati

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Enthusiastic student looking for internships in the field of VLSI, Embedded Systems, CAD & Internet of Things.

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Summary

I am Sridhar Vempati and I am currently pursuing B. Tech 3rd year in Electronics & Communication from Central University of Karnataka. I have an overall percentage of 89% in my academic background. I wrote the 2022 GATE exam and I'm looking forward to the results. I was awarded the NPTEL Enthusiast Certificate for having completed eight NPTEL courses. Previously, I worked as

- Real Time Embedded Systems and Mechatronics Intern at Robocoupler pvt. ltd. for 2 months.

- Internet of Things Intern at Verzeo pvt. Ltd. for 2 months.

- Python Project Development Intern in Codespeedy for a month.

My interests lie in VLSI, Embedded System, SoC Design, IoT, CAD.

LinkedIn Profile: *https://www.linkedin.com/in/sridhar-vempati/*
GitHub Profile: *https://github.com/Sridhar1502*
Coderspeedy Profile: *https://coderspacket.com/contributor/vempatisridharbzy*

Education

- **Central University of Karnataka**   2019-present
  Persuing my B.Tech in Electronics and Communication Engineering from June 2019 onwards.
  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

Experience

Internship(s):

- **Realtime Embedded Systems and Mechatronics Internship at Robocoupler**
  Description: I worked as an intern for 2 months, where my team and I developed an Automatic Docking System for the Cleaning Robots using different methods.

- **Internet of Things Internship at Verzeo**
  Description: I worked as an intern for 2 months. During this internship I learnt about different development boards viz Arduino Uno, ESP-32, Zigbee and GSM. I built an Voice Controlled Home Automation System using these development boards where we can control home electronic appliances such as lights and fans using Google Assistant and IFTTT Web Application.

- **Python Project Development Internship at Codespeedy**
  Description: During this Internship, I developed and published a few python projects viz. Vocabulary Quiz using Python Data Structures, Word Cloud Using Python. You can find my dashboard *here*.

  All the Internship Certificates are available *here*

NPTEL Certifications

- System Design Through VERILOG (85%)
- Embedded System Design with ARM (83%)
- Control Systems (74%)
- Digital Circuits (72%)
- Hardware modelling Using Verilog (68%)
- Computer Architecture (63%)
- Switching Circuits and Logic Design (58%)
- Introduction to Embedded System Design (51%)

Additional Courses

MATLAB Courses

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

Coursera

- Crash Course on Python
- Python Data Structures
- Introduction to HTML5
- Logistic Regression with NumPy and Python

Top Skills

- C (Programming language)
- Arduino programming
- Python (Programming Language)
- VERILOG (Programming Language)
- LaTeX Software

Awards/Participations/Selections

- **Got selected in First Round of National Engineering Olympiad 3.0** held from 24th April 2020 to 28th April 2020. Selected to Second Round. Get Certificate *here*

- **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 on 15th August 2019.

Other Links

- You can find all my Internship certificates, NPTEL Certificates and Additional Courses Certificates *here*

- I have done some Coursera Projects in Coursera project Network. Please find the certificates *here*.