

Sridhar Vempati

AIR 2007 EC GATE'22 | 3rd year ECE Student

Looking for internships in the field of VLSI Design, Embedded Systems, DSP, IoT, 3D Printing, PCB Designing, 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 Engineering from **Central University of Karnataka**. I have an overall percentage of **89.2%** in Engineering (upto 4th semester). I secured **AIR 2007 in the GATE 2022 EC with a score of 508 and 37.67 marks**. I was awarded the **NPTEL Enthusiast** Certificate for having completed 8 NPTEL courses. My interests lie in VLSI Design, Embedded Systems, SoC Design, IoT, CAD, DSP.

Previously, I worked as Real Time Embedded Systems and Mechatronics Intern at Robocoupler Pvt. Ltd., Internet of Things Intern at Verzeo Pvt. Ltd. and Python Project Development Intern in Codespeedy Technology.

Find my GATE Scorecard [here](#)

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

GitHub Profile: <https://github.com/Sridhar1502>

Coderspeedy Profile: <https://coderspacket.com/contributor/vempatisridharbzy>

Education

- **Bachelor of Technology (B.Tech), Electronics and Communication**
Central university of Karnataka
2019 - 2023
Percentage: 89.2% (upto 4th semester)
- **Senior Secondary (XII), Science**
Tirumala Jr. College
BOARD OF INTERMEDIATE EDUCATION , ANDHRA PRADESH (BIEAP)
Year of completion: 2019
CGPA: 9.73
- **Secondary (X)**
Bhashyam E.M School
BOARD OF SECONDARY SCHOOL EDUCATION, ANDHRA PRADESH (BSEAP)
Year of completion: 2017
CGPA: 10.00

Internships

- **Realtime Embedded Systems and Mechatronics Intern**
Robocoupler Pvt. Ltd., Virtual (May 2021 - Sep 2021)
During this Internship, my team and I developed Map making technology for Automatic Docking System of the Cleaning Robots using different approaches such as Machine learning Approach, Algorithmic Approach, Sensors and Bluetooth Approach and using RFID Technology. Find this project report [here](#).
- **Internet of Things Intern**
Verzeo Pvt. Ltd., Virtual (Aug 2020 - Sep 2020)
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 Intern**

Codespeedy Technology, Virtual (Jul 2020 - Aug 2020)

During this Internship, I developed and published python projects viz. Vocabulary Quiz using Python Data Structures, Word Cloud Using Python. You can find my Codespeedy 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%)

Ongoing NPTEL Certification courses

- VLSI Physical Design
- Network Analysis
- Microprocessors and Microcontrollers
- Effective Writing

Skills

- Arduino programming
- Internet of Things
- Python
- VERILOG
- C Programming
- CAD
- Embedded C
- MATLAB
- LaTeX

Additional Courses

MATLAB Courses

- MATLAB Onramp
- Machine Learning Onramp
- Introduction to Linear Algebra with MATLAB

Coursera

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

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. Find the 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. Find the certificate [here](#)

Other Links

- Find my GATE Scorecard [here](#)
- You can find all my Internship certificates, NPTEL Certificates and Additional Courses Certificates [here](#)
- I have done some Coursera Projects in Coursera project Network. Find the certificates [here](#).