

Tarun Vasamsetti

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OBJECTIVE

Dedicated and enthusiastic educator with 1.5 years of experience teaching Physics and 6 months as a certified Future Skills Expert in a government school. Currently pursuing M. Tech, with a strong engineering background and multiple academic projects. Looking to apply subject expertise and practical experience to motivate and educate students, especially in science and technology fields.

EDUCATION

M.Tech in VISI

SRM University AP_Amaravati – **CGPA: 8.48**

June 2024 – April 2026

B. Tech in Electronics and Communication Engineering

Jawaharlal Nehru Technological University

Ramachandra College of Engineering - **CGPA: 7.43**

June 2021 – April 2024

Diploma in Electronics and Communication Engineering

State Board of Technical Education and Training

Sir CR Reddy Polytechnic - **Percentage: 90.4**

June 2018 – April 2021

Board of Secondary Education

ZP High School - Bhaskar Rao Peta: **CGPA :9.2**

June 2017 – March 2018

PROJECTS

M.Tech Project

Car Parking System using Cadence

- Designed and simulated smart parking system logic using Cadence Virtuoso.
- Applied VLSI methodologies for timing, logic, and design verification.

B. Tech Major Project

Smart Door Lock System

- Implemented password-protected door lock using RFID and Arduino.
- Included LCD interface and security reset mechanism.

Community Service Project

E-Waste Awareness in Rural Areas

- Educated local communities on e-waste management and recycling.
- Conducted student engagement campaigns and outreach.

Mini Projects

- Solar Mobile Charging Station
- Line Following Robot
- Traffic Signal Controller using Microcontroller

Technical Skills

- Subject Expertise: Physics, Electronics, Digital Systems
- Technical Tools: Cadence, Arduino, Proteus, MATLAB
- Digital Teaching Tools: MS Office, Google Classroom, Smart Board
- Classroom & Lab Instruction, Project Guidance
- Public Speaking and Student Engagement

Teaching & Training Experience

Physics Teacher

Government High School, [Bhaskararao Peta]

Jan 2024 – June 2025

- Taught Physics for classes 8–10 with focus on core concepts and applications.
- Conducted board exam preparation and science exhibition mentoring.

Future Skills Expert (Certified by AP Government)

Government High School, [kalidindi, Bhaskararao peta, Pedalanka]

Jan 2024 – April 2024

- Delivered sessions on digital literacy, electronics, and soft skills.
- Government-certified trainer for foundational future skills curriculum.

COURSE CERTIFICATION

Internships

- **Embedded Systems Internship** – Verzeo (Arduino, Sensors, Proteus)
- **VLSI Internship** – Chip Electronics (Cadence, Verilog)
- **Embedded Systems & Design** – SRC e - Solutions (NodeMCU, Firebase)

Certificates

- Future Skills Expert – AP Govt Certified
- APSSDC- Electronics Foundation
- APSSDC- Electronics Expert
- Air Pollution for – NPTEL
- Python Basics – Coursera/Interns Hala
- PCB Design Workshop

COURSE WORK

Digital electronics | Verilog | FPGA| Analog electronics| Robotics and IOT| Computer Architecture|

PERSONAL DETAILS

- Date of Birth: [22/06/2002]
- Marital Status: Single
- Nationality: Indian

DECLARATION

I hereby declare that all the information stated above is true and correct to the best of my knowledge and belief.