Revanth Nagidi

Electronics and VLSI Enthusiast

Passionate and dedicated under graduate, with a strong interest in electronics, VLSI design, and emerging technologies. Eager to apply technical knowledge and problem-solving skills to contribute to innovative projects and grow in the field of semiconductor and electronics industries.

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📍 Hyderabad, India

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📱 9493670109

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EDUCATION

B.Tech in Electronics and Communication Engineering
CMR College of Engineering and Tecnology, Medchal

09/2023 - Present   *Cumulative CGPA : 8.35 (till V semester)*

Courses
- VLSI
- Electronic Devices and Circuits

Diploma in Electronics and Communication Engineering (SBTET)
Govt. Institute of Electronics, Secunderabad

11/2020 - 05/2023   *Cumulative CGPA: 9.17*

Courses
- Electronic Devices and Circuits

Secondary School
Gauthami Techno School, Hyderabad

06/2013 - 05/2020   *Cumulative GPA: 10*

WORK EXPERIENCE

Embedded Systems Intern
IndusTech Solutions

12/2022 - 05/2023   *Koti, Hyderabad*

Industech Solutions specializes in automation products, smart sensors, PLCs, and control systems for industrial and process automation.

Achievements/Tasks
- Achieved basic knowledge on Embedded C language.
- Achieved grip on circuit design tools like proteus software.
- Achieved command on microcontrollers like Arduino, ESP32.

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SKILLS

Verilog HDL   Embedded C (Arduino)
Cadence Virtuoso   Matlab   Proteus   ukeil

PERSONAL PROJECTS

PLL using Femto RISC -V based processor using verilog (03/2025 - Present)
- Parametrized femtoPLL module generating configurable output clock frequencies using Lattice SB_PLL40_CORE for FPGA designs.

Portable 3Dimension Scanner (06/2024)
- It's main aim is to take the samples of the considered object and build a 3 dimention object file which can be used to replicate the specific object.
- Involves minimal replication cost replacing high defined industrial methodologies.

Fire Fighting Robot (09/2022)
- It is a robot which senses the fire in its line of sight and prevents the fire accidents.
- It is also capable of overcomming the obstacles placed in its path.

Mini Projects
- Radar Circuit which detects the object in it's line of sight and specifies its range.

CERTIFICATES

Yanthra Arduino Mackathon, Aakruthi 2024 (03/2024)
By Osmania University (OU)

HackArena National Level Hackathon (11/2024)
By Guru Nanak Institutions

PCB Design workshop (12/2024)
By Osmania University (OU)

Bud to Business (B2B) (07/2024)
By CMR College of Engineering and Technology

LANGUAGES

Telugu
Full Professional Proficiency

Hindi
Limited Working Proficiency

English
Full Professional Proficiency

INTERESTS

Chess   Cricket   Badminton   Editing