

Choppara Manojkumar

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Education

NRI Institute of Technology

2020 - 2023

Bachelor of engineering in electronics & communication engineering (8.3-CGPA)

A.A.N.M & V.V.R.S.R POLYTECHNIC GUDLAVALLERU

2017-2020

Diploma in electronics & communication engineering (76%)

Certification

- VLSI Physical design in maven silicon Bengaluru.
- 6 months of industrial training in CCNA Cisco Networking.

Professional training

VLSI Physical design training

Institute: Maven silicon, Bangalore

Duration: 12 months (dec 2023 – Jan 2025)

- Specialized in physical design flow including Floorplanning, placement, Clock Tree Synthesis (CTS), Routing, and Static Timing Analysis (STA)
- Hands-on experience with industry-standard tools (e.g., cadence innovus, Synopsys IC Compiler)
- Completed multiple projects focused on chip implementation and timing closure
- Acquired strong knowledge of CMOS, digital design, and ASIC design methodologies

Experience

Embedded Engineer

April 2023 – dec 2023

SVS Embedded - Hyderabad

- *Designed and developed, and tested lot of embedded IOT and Arduino projects*
- *Programmed pic micro controllers (MP Lab).*
- *Worked with various sensors modules and communication protocols like UART, I2C.*

Embedded Systems Developer

Self Employed / Freelance (2023-present)

- Design and develop, and sell custom embedded system projects to engineering students across various domains IOT, robotics, automation, etc.
- Manage everything in development of projects hardware designing, programming and also managed Delivery logistics.
- Gained hands-on experience in circuit design, PCB layout, firmware development, and troubleshooting.

Projects

Automatic garbage management system

An automatic line following Rower car with pick and place hand Robo moving the desired streets in one side of road on white line it breaks at every dustbin it detects and collects the dust bin drop the dust in it.

Theft proof contact less delivery robot with self-sanitization

The rower car along with small container along with password lock .it operated with mobile or laptop through internet.it have GPS and Camera it is theft proof.in the container we place electronic mist sprayer it sprays sanitizer at time of opening its very safe in pandemic situation.

Social distancing and anti-riot drone with tear gas.

Social distancing is major role in pandemic situation. I invented multipurpose drone with Siren, Speaker, and Tear Gas holder. Siren and speaker help us to control the crowd, for any Riot situations we use Tear Gas to Control Crowd.

Technical skills

- Languages: C, C++, basics Python
- Basics of PLC
- WordPress Web designing
- MIT App Designing

Leader ship / Extracurricular

- Won first prize in (college) Nipuna project exhibition.
- Participated in lot of technical quiz.
- Attended in 15+ technical project exhibitions.

DECLARATION:

I do hereby declare that the information furnished above is true to the best of my knowledge and belief.

DATE:

PLACE:

(CH. MANOJ KUMAR)