VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

ANNAM REVANT

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OBJECTIVE

I am student of Electronics and communication engineering who is an enthusiast about electronics, I always try to utilize the new opportunities given to me for learning new things and use my skills gained in electronics for a practical use.

ACADEMIC QUALIFICATION

Branch of Study : Electronics and Communication Engineering Current CGPA : 8.01/10

QUALIFICATION	INSTITUTE	YEAR	SCORE/SGPA	CGPA
B.Tech. 4th Semester	Visvesvaraya National Institute of Technology, Nagpur	Jan,2024-Apr,2024	7.9 of 10	8.01 of 10
CLASS XII	Tapasya Junior College, Chaitanyapuri, Hyderabad.	2022	970/1000	NA
CLASS X	St. Joseph Public School, Asmangadh, Malakpet, Hyderabad	2020	94.8%	NA

PROJECTS/ACTIVITIES

- Project Title: Darkness Detector
  Synopsis: I have used a Light detector resistor to control the intensity of light and used a BJT as an amplifier to make the buzzer make sound. I have connected the BJT in Voltage divider mode as it is the best biasing mode. It can be used as an automatic street light.

- Project Title: Over heat Detector
  Synopsis: I have used an Operational Amplifier LM358 IC for sensing temperature variations near the Thermistor. Thermistor was used to note the temperature changes. It compares the voltage from the voltage divider (formed by NTC1 and another resistor) with a reference voltage to determine whether the temperature is above a certain

threshold. A transistor is connected to the output which acts as a switch. When the output of the op-amp goes high, it allows current to flow.

- Project Title: Battery Level Indicator
  Synopsis: I have used a dot/bar display driver IC which contains 10 comparators which are used to detect my battery voltage and then there a LED driver in the IC which helps to get the level of the battery by the number of glowing LEDs in the bar display and the LED glowing in the dot display. Level indicators can be used in Electric vehicles to indicate the battery left. I have done the PCB design for the circuit.

- Project Title: Classification of Polyps
  Synopsis: I have done the classification of the polyps using the deep learning where I have used some pretrained models like ResNet101, EfficientNetv2b2, MobileNet and Vision Transformer and froze the Convolution neural networks and added few layers for classification. I have understood the Basics of Deep learning and transfer learning.

EDUCATIONAL ACHEIVEMENTS

- Joint Entrance Examination (JEE MAINS): 98.82 Percentile (AIR 10,922)
- Telangana State EAMCET: State Rank-1680
- Eduranet International Olympiad Founda on (Math) – Gold medal

COMPUTER PROFICIENCY

Programming Languages	Hardware Languages	Simulation Tools
Python	Verilog	MATLAB
C	8086 & 8051 Assembly language	Multisim
	System Verilog	EasyEda

CERTIFICATIONS

- Self-paced courses by MathWorks
  I have successfully completed comprehensive onramp courses in MATLAB, focusing on Machine learning and Image processing where I have learnt the basics about image processing how to separate the image to gray mode and view the histogram of the intensity. I have learnt the basics about machine learning like different mathematical ways to compute approximations in MATLAB

EXTRA CURRICULAR ACTIVITIES

- I was the class representative of the second-year electronics and communication engineering department

- I was an Event Organizer of AXIS, the Tech fest of VNIT, Nagpur.
- I am a Student mentor in the SMP VNIT.

DECLARATION

I hereby acknowledge that the information furnished above is correct to the best of my knowledge.