

# TEJAS JAMALPUR

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## SUMMARY

I am a student with a keen interest in core electronics, VLSI design, and embedded systems, I possess a pretty good foundation in both theory and practical skills. With a passion for understanding the intricate workings of electronic devices, I am committed to applying my knowledge to develop innovative solutions in these fields. Through my coursework and hands-on projects, I have gained valuable experience in microcontroller-based systems, and PCB design. A motivated self-starter, I am eager to continue developing my skills in a challenging role where I can apply my knowledge of core electronics, VLSI, and embedded systems to make a positive impact. With a strong work ethic and a commitment to continuous learning, I am confident in my ability to succeed in any team environment.

## SKILLS

Programming Language | C | C++ | Verilog HDL | Python (Programming Language)

Soft Skills | Team Player | Adaptability | Communication | Problem Solving | Self Confidence

Hard Skills | PCB Design | Circuit Schematic

## WORK EXPERIENCE

Trainee	Argus Embedded Systems, Hyderabad	Jun 2022 - Jul 2022
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Came to know about the PCB industry.  
Learned about the IC packages, component packages.  
Got to know about every step in the assembly process of a PCB.  
Worked with testing team and experienced testing the functionalities of a PCB.  
learned about the layers that a PCB consists of.

## EDUCATION

Bachelor of Technology: Electronics and Communication Engineering	Indian Institute of Information Technology, Kottayam	CGPA: 7	Dec 2020 - Present
Higher Secondary Education: MPC	Pranava Junior College	91.3%	Jun 2018 - Mar 2020
Secondary Education: SSC	MATRU SRI School	CGPA: 9.2	Apr 2017 - Mar 2018

## PROJECTS

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### IOT-BASED SYSTEM DESIGN FOR DETECTING, MONITORING AND EARLY-WARNING OF FLOOD

Oct 2022 - Jan 2023

The Main objective of this project is to reduce the life-loss and property loss by using IOT-based sensors at nearby drainages and rivers for detecting water levels and to give early warnings to surrounding peoples and to authorities

[https://docs.google.com/document/d/1VZgaDnwyu7hGLITdp\\_f8dF9hrmg6ldYIU\\_XuwBXY\\_90/edit?usp=sharing](https://docs.google.com/document/d/1VZgaDnwyu7hGLITdp_f8dF9hrmg6ldYIU_XuwBXY_90/edit?usp=sharing)

### DESIGNING PCB OF Magic Wand based on a 555 timer IC, decoder, counter, LEDs, and various passives

Feb 2023 – Feb2023

to design a PCB first I created the schematic of the circuit then this schematic was validated and components were placed and arranged onto a board. Then I routed the components and specified the dimensions of board and traces. This whole project was done on the Altium software. This resulted into giving me an experience of PCB designing using Altium software.

<https://365.altium.com/files/9BB20DC1-25F8-4276-A728-BE3392C05DB4>

## LANGUAGES

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English (Professional Working Proficiency) | Hindi (Native or Bilingual) | Telugu (Native or Bilingual)