

# Sushant Vijay Shinde

Certified IPC 610H Specialist (CIS) ,Electronics student with Specializing in PCB Design, Testing, PCB Manufacturing & Assembly | Proficient in Developing Innovative Electronics Projects

## GET IN CONTACT

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## PERSONAL DETAILS

- Total Experience 1 Year 8 Months
- Current Location Pune
- Date of Birth Jan 30, 1999
- Gender Male
- Marital Status Single / Unmarried

## SKILLS

- PCB Manufacturing & PCBA Assembly
- PCB Designing
- Electronics Hardware Design
- Altium

## TECHNICAL SKILLS

- Designed Of Pcb Schematic & Layout For Analog Digital And Mixed Signal Printed Circuit Boards With Altium Software (Upto 6 Layer)
- Advanced Knowledge Of PCB Design Tools Such As Altium OrCAD
- Schematic Creation & Multi-Layer Printed Circuit Board Layout Designs Using Altium Software For Generic & Highspeed Applications.
- Circuit Simulation On Proteus.
- Knowledge About Power & RF PCB Designing.
- Experience In Microcontroller Based PCB Layout Design
- Create Component Library Parts Per IPC Standards Or Manufacturing Capabilities Using Altium
- Creation Of Component Symbols & Footprint Component Placement PCB Routing Post Processing And Documentation Relating To PCB Design
- Developed Layout Routing For Complex Structures With Surface Mount Through Hole Fine-Pitch And BGA Land Patterns Design Rigid & Flexible PCB.
- Generated Gerber Files Generated Fabrication And Assembly Drawings Fixed

## PROFILE SUMMARY

Certified IPC 610H Specialist (CIS) and experienced SMT Quality Inspector at conducting inspections, testing, and analyzing defects on electronic PCBs.

Proficient in PCB layout design and manufacturing, with expertise in High Speed & Mixed Signal PCB layout designing. Highly skilled in utilizing industry-standard tools and techniques to drive continuous improvement in electronic PCB manufacturing processes

## EDUCATION HISTORY

### Post Graduation

Course	MS/M.Sc(Science)( Electronics )
College	Shivaji University, Kolhapur
Year of Passing	2021
Grade	70%

### Graduation

Course	B.Sc( Electronics )
College	yashwantrao chavan institute of science satara
Year of Passing	2019
Grade	68.00%

## WORK EXPERIENCE

Feb 2023 to Present

### SMT Quality supervisor at Behr Hella Thermocontrol India Pvt .Ltd pune

- Quality Function-SMT line Process Quality of working in QA teams solving quality and process related issue on SMT production line (PCBA MountingLine)
- PPAP (Production Part Approval Process)
- FMEA (FMEA studies to identify the Potential failure and to implement their preventive system.
- Validation Report for AOI & ICT Machines
- Good Knowledge about electronics components
- participated in root cause analysis for any failed products and provided the solutions for corrective actions.
- Awareness of IPC 600 & IPC610 for SMD component

DFM Errors And Made Bills Of Materials (BOM).

- Knowledge About IPC 2221 DFM EMI/EMC Signal Integrity DRC
  - Knowledge And Familiar Of Communication Protocol Such As I2C RS232 SPI. GPS GSM
  - Rigid & Flex PCB Designing
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## LANGUAGES KNOWN

- English
  - hindi
  - marathi
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## COURSES & CERTIFICATIONS

- Advance Diploma In Industrial PCB Designing (Teknomindz Embedded Institute Pune)
  - Certified IPC 610H Specialist (CIS) (Valid Upto May 2025)
  - AI-Driven PCB Design: Mastering Generative AI Techniques
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## SOCIAL LINKS

- [www.linkedin.com/in/sushant-shinde-843041208](https://www.linkedin.com/in/sushant-shinde-843041208)

rework.

- Handling Measuring Instrument like Digital multimeter, LCR meter, Smart Tweezer, Picoscope.CRO
  - Planning and execution of various activity during new Product assembly to ensure successfully
  - Implementation. (Assembly drawing & BOM inspection)
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## PROJECTS

### Advance Accident System Using GPS and GSM Module, 30 Days

A Vehicle Accident Emergency Alert system is proposed for immediate attention which could save their life. As soon an accident occurs the Piezoelectric sensor or the acceleration sensor present in the system, transmits the signals to Arduino controller.

### Power Generation Using Piezoelectric Sensor, 61 Days

small amount of Electricity generate by using piezoelectric sensor .when some pressure is apply to this sensor small amount voltage and cureent generate.

### PCB Designing Project, 3 Months

- Designed power supply circuits for 5 & 12 V 2 layer pcb layout using Altium software.
  - Designed single layer AC dimmer voltage circuit and two-layer amplifier circuit.
  - Astable multivibrator schematic & layout designing 2 layer.
  - Designed two-layer ACS current sensor and 4-channel relay circuit using different types of Vias.
  - Designing layouts of complex circuits including ESP 32 CAM connector on 4 and 6 layers, and Arduino Uno on 4 layers using different types of vias & test points.
  - Astable multivibrator schematic & layout designing 2 layer.
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## OTHER INTERESTS

Cricket ,Swimming, Working on new innovative electronics projects