

Harshal Patil

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📍 Airoli, Navi Mumbai, India

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PROFILE

To join an organization that will give me significantly responsibility and opportunity, where I can utilize my skill for personal and organizational growth. I am confident to take new responsibilities. I believe in dedicated hard work and my self-confidence. Always strive to learn and acquire to knowledge to face the challenging situation in my professional career.

PROFESSIONAL EXPERIENCE

Electronics Product Designer (JE), Connectwell Industries

09/2022 – present
Mumbai, India

- Responsible for the product Development from deciding specification, Design topology selection, Schematic drawing, Component selection, BOM preparation, data sheet, proto, pilot lot and production for technical.
- Design and Development of (SMPS) AC-DC up to 480Watts single and three phase switch mode power supply.
- Redundancy modules, Slim Relay module Proto testing and Pilot lot
- EMI/EMC Test (Surge, EFT, ESD, CE, RE,) , Other testing like HV, IR SVT validation.
- , Functional parameter, Safety testing, Coordination with validation and production team for technical. Testing and Troubleshooting of power supply
- Interaction with other mechanical product design for fitment and outer casing of product
- Writing Test Plan, Maintain Hardware Development Schedule
- Data sheet technical parameter and Product manual technical parameter design and competitor analysis

Trainee Engineer, Oorjan Clean tech

2022 – 05/2022
Pune, India

- Internship Description
- Site Engineer intern at Oorjan Clean Tech - Assisted in planning and execution of renewable energy projects, ensuring compliance with design and safety standards.
- Supervised on-site activities, monitored progress, and coordinated with cross-functional teams for seamless operations.
- Conducted site inspections and troubleshooting to optimize system performance. - Gained hands-on experience in sustainable energy solutions and project management.

Internship, Intership at Indian Railways POH

06/2018 – 07/2018
POH Bhusawal, India

- Internship Description - Indian Railways - Periodic Overhaul BSL
- Gained practical exposure to railway operations, infrastructure, and maintenance systems.
- Familiarized with signaling systems, power distribution networks, and locomotive technology.
- Assisted in monitoring and analyzing system performance to ensure operational efficiency.
- Developed an understanding of large-scale transportation engineering and safety protocols.

EDUCATION

Bachelor of Electrical Engineering, University Of Mumbai

07/2017 – 07/2022
Navi Mumbai, India

Completed my Bachelor of Electrical Engineering

Lokmanya Tilak College of Engineering with 7.15 CGPI

Project-EV solar charging station.

Higher Secondary Certificate [10+2], Maharashtra state board

07/2016 – 07/2017

Completed my 10+2 in Science (PCM) group with 65%

CERTIFICATES

Design Failure mode effective analysis (Connectwell)

Design failure mode and effect analysis (DFMEA) is a process that helps engineers understand the impact of potential risks associated with a design. Introducing FMEA in the design phase is a best practice that helps answer

Satellite based Navigation by ISRO

Completed the course on "Satellite based Navigation: A Journey from GPS to Mobile Phone Platform from 01-03-2021 to 12-03-2021 by IIRS

TPSDI Training on power system

This is to certify (Enrollment No.19001849SH) has successfully completed a programme titled "Power System Familiarization", held at TPSDI Mumbai.

Generic online training in cyber security

Successfully completed course in cyber hygiene practice through e-learning organized by ministry of electronics and information technology, gov of india

SKILLS

- MTBF
- Altium pcb designer
- Simulation
- Simplex
- Product management
- Microsoft excel

LANGUAGES

- English
- Hindi
- Marathi

HOBBIES

Running

I pursue my hobby of running and have participated as a volunteer in the Fit India Run.

Drawing

Pursue my hobby as drawing participate in elementary and intermediate drawing