

Shresha Chandrakant Korgaonkar

ELECTRONICS AND COMMUNICATION ENGINEER



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Verla, Bardez Goa, 403510

EDUCATION

B. TECH, Electronics and Communication Engineering

NATIONAL INSTITUTE OF TECHNOLOGY,
GOA 2019-2023
CGPA – 7.52

12th STANDARD
ST XAVIER'S HIGHER SECONDARY SCHOOL
2018 – 2019
Percentage – 73.16%

10th STANDARD
ST. FRANCIS XAVIER HIGH SCHOOL MAPUSA
2016 - 2017
Percentage – 83%

TECHNICAL SKILLS

- Circuit Designing and Simulation
- PADs software, KiCad
- PCB Testing and Debugging
- Machine Learning Integration in Embedded Systems
- Creo 3.0
- Programming: C, C++, Python

SOFT SKILLS

- Critical Thinking and Problem Solving
- Effective Communication and Teamwork
- Time Management and Multitasking
- Analytical and Troubleshooting skills

HOBBIES

- Chess
- Listening to Music
- Travelling and Trekking

OBJECTIVE

Innovative and result-driven Electronics and Communication Engineer seeking a dynamic career that enhances my knowledge and skills while providing opportunities to implement innovative solutions and contribute to organizational success.

EXPERIENCE

IFB INDUSTRIES LTD | 2023 – Present
Executive Hardware Electronics Engineer
Research and Development Department

My role involves designing, simulating, debugging, testing, and conducting benchmarking studies on PCBs for home appliances like washing machines.

Key Projects:

Gold Series Front Loader Washing Machine

- Optimized wash quality by contributing to the turbidity sensor circuit design, reducing detergent waste by 30%.
- Enhanced customer experience by optimizing display interface for improved usability.
- Assisted in the development of an Automatic Detergent Dispensing circuit, increasing efficiency and convenience.

Top Loader Direct Drive Motor Washing Machine

Collaborated on PCB debugging and testing for Interface and Power Boards in Top Loader Direct Drive Motor Washing Machines, improving system reliability.

PROJECTS

Signal Processing Model for Early Detection of Stem and Root Borer in Cashew Trees.

- Developed a signal processing model capable of detecting pest infestation in cashew trees. The model processes audio signals collected from a sensor attached to the tree bark to determine the level of infection.

Basic Level Six Sigma Certification – Simplilearn (2025)

- Learned fundamental Six Sigma principles, process optimization, and quality control strategies.