

Professional Summary

Innovative Electronics and Communication Engineer with expertise in PCB design, embedded systems, robotics, and automation. Proven track record of leading award-winning projects and delivering creative solutions in high-pressure, fast-paced environments.

Work Experience

Drift Pure Innovation Pvt. Ltd. | 2024 - Present

- Led R&D of a solar desalination system integrating optics, thermal, and fluid dynamics.
- Designed a copper coil heat exchanger and custom glass dome, boosting efficiency by 15%.
- Built control electronics for automated temperature, pressure, and flow monitoring

InviHub Technosolutions pvt. Ltd | Aug 2023 - Sep 2023

- Completed 3-month internship in PCB design and microcontroller applications.
- Led Tinker CAD workshops on circuit simulation with 25+ participants.
- Created training content on PCB layout and interfacing, improving skills by 40%.

Academic History

Yenopoya instutie of technology | 2020-2024

Bachelor of Engineering

- Completed Electronics and Communication Engineering with strong focus on practical applications and hands-on projects in electronics and communication systems.

St. Joseph's Pre-University College | 2018-2020

Pre-University Education

- Pursued PCMB (Physics, Chemistry, Mathematics, Biology) stream with distinction. Built a strong foundation in science and mathematics

Highlight Projects & Awards

KAMPANA - Vibration Energy Harvester

- 1st Place - State-Level Hackathon, 2023
- Top 50 Finalist - KPIT Sparkle, 2022

PRAYASCITA - Sea Water Purification

- 3rd Place - Technocraft Booth Competition (Pune), 2022
- 1st Runner-Up - Emerge, 2024

YEN-VISION - 'Voicing Our Thoughts'

- Sponsored - Karnataka State Science & Technology Council (KST CST Bangalore), 2024
- 1st Place - Echo Electric at YI

ARECA - Automated Arecanut Pesticide Sprayer

- Selected - NAIN K-Tech Grants, 2024 (Grant of ₹1.25 Lakhs)

Skills & tools

- **PCB Design:** KiCad (schematics, layout, DFM)
- **Embedded Programming:** C, C++, Assembly Language (ALP)
- **Robotics & Automation:** Sensor integration, PID control, OpenCV, GUI interfaces, Git & GitHub
- **3D CAD Design:** Fusion 360, TinkerCAD
- **Web Development:** HTML, CSS, JavaScript, with experience in relevant IDEs