

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.
- Tinker CAD workshops on circuit simulation with 15+ 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 . 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 – Yen Manthan 2024 at YIT

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