

Pranay Krishna

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Education

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|---|----------------|
| Indian Institute of Information Technology, Chennai | 2020–2024 |
| Btech– Electronics and Communication (specialized in product design) | CGPA: 8.05 |
| Birla Public School, Doha | 2020 |
| Class 12 | Percentage: 92 |
| Class 10 | Percentage: 90 |

Skills

- PLC Programming,(Delta, Allen Bradley, Siemens, ABB , Schneider), SCADA, DCS , HMI , TIA portal, CodeSys, Network configuration.
- Academic exposure to product design , systems thinking , innovation management, prototyping, marketing strategy, AutoCad, Fusion 360, Sketchbook, Canva.

Professional Experience

- SMEC Automation – Industrial Automation Training** **June 2023 – November 2023**
- Gained valuable experience in industrial automation, simultaneously pursuing a Post Graduate Diploma in Industrial Automation and acquiring a DCS certification. Worked on prototype projects for selective object detection and SCADA development for water monitoring system.
- Cochin Shipyard – Internship Trainee.** **May 2023 – June 2023**
- Successfully completed immersive training in shipbuilding, encompassing ship construction, repair, maintenance, R&D, quality control, and project management, coupled with hands-on experience collaborating closely with outfitting and electrical departments, as well as demonstrating proficiency in electronic equipment maintenance within the plant setting .
- Qatar Aluminium – Electrical Engineering Intern** **May 2022 – June 2022**
- Worked on improving the lifetime of anode and flue wall thermocouples at anode baking plant.
 - Proposed practical upgradations to improve life time of these thermocouples.
 - Conducted financial assessments, including cost-benefit analyses, to determine the viability of project and could theoretically yield a profit of \$100000 in less than a year.
 - Proposed and gained senior management approval for the suggestion.

Projects

- SAE IIITDM – Design Engineer** **May 2021 – April 2022**
- Worked in research stage and designing of suspension while actively participating in prototyping of the All Terrain Vehicle , ensuring integration and achieving a significant increase in overall vehicle efficiency. Conducted thorough analysis during prototyping to contribute to suspension system design research, optimizing performance and improved safety standards.
- Design of electrochemical DNA biosensor for oral cancer detection** **January 2024 – May 2024**
- Worked on fabrication of carbon nanotube based biosensor and development of portable potentiostat device that works based on conductance to detect the biomarker.

Awards and Recognition

- Letter of Appreciation (IIITDM Chennai) for notable contribution to Team Infinite Challenger for participation in SAE M- Baja 2022 from the institute

Courses and Certifications

- Post Graduate Diploma in Industrial Automation – SMECLabs