Allen Ennackal Shyju John

Email: alleneshyjujohn@gmail.com | **Phone no.** +91-9920096558 | **LinkedIn Profile**

Professional Summary

Electrical Engineering graduate with 1 year of experience in designing and implementing electrical and network infrastructure for global warehouses. Proficient in LV/MV switchgears, computer networking, and project lifecycle management. Awarded the Best Outgoing Student of the University for performance in academics and sports. Served as the Captain of University football team.

Experience

Intern Automation Engineer, A.P. Moller Maersk, Pune

- Executed electrical and network infrastructure design for warehouses, including AutoCAD-based layouts, LV/MV cabling, power distribution, and installation of switchgears, circuit breakers, and network devices such as access points, switches, and firewalls.
- Managed project planning, BOQ/BOM preparation, vendor coordination, and documentation for 15+ large-scale electrical and network engineering projects across IMEA and APA regions.
- Delivered full project lifecycle, from design and installation to testing and handover to customer.

Trainee, Siemens-NITTR, Bhopal

- Trained on Siemens S7-1200 and S7-1500 PLCs using TIA Portal with experience in ladder logic, timers, counters, and HMI integration. Designed and tested automation logic for 10+ control problems including motor sequencing, sensor integration, fault detection, and emergency stop.

Education

MIT WPU, Pune (2021 - 2025), Electrical and Computer Engineering: GPA - 8.86/10
Apeejay School Kharghar (2021), Senior Secondary: 83.2 %
Apeejay School Kharghar (2019), Matriculation: 91.6 %

Skills

- **Electrical Engineering:** Electrical Machines, Circuit Design, Control Systems, Industrial Automation, System Integration, PLC Programming, AutoCAD, MATLAB, Simulink
- **Computer Engineering:** Computer Networks, Python, SQL, Power Bi, Excel, PowerPoint
- **Project Management:** Project planning, Cost Estimation, Timeline Planning, Project Documentation

Projects

Smart Traffic Light System (ESP32-CAM, YOLOv8, RFID, Arduino, AutoCAD)

- Designed and implemented an intelligent traffic light system for two-, three-, and four-way junctions using RFID, ESP32-CAM, and YOLOv8 for real-time operations, detecting emergency vehicles and reducing traffic congestion by up to 67%.
- Introduced a fourth blue signal to indicate the presence of an emergency vehicle, alerting all drivers while allowing the respective lane to move in any of three directions or make a U-turn, ensuring road safety.
- Developed the system for integration with existing traffic infrastructure to support scalable deployment.

Certificates and Achivements

- Best Outgoing Student (Gold Medal) - MITWPU 2025
- Lean Six Sigma Foundation: A.P. Moller Maersk
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Google Cloud Computing Foundations: NPTEL
- Captain – MITWPU University Football Team (2024–25)
- Vice Captain – MITWPU University Football Team (2023–24)