

NEIL JOSE PILLARD

ELECTRICAL AND ELECTRONICS ENGINEER

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SUMMARY

Results-driven Electrical and Electronics Engineer and certified industrial automation specialist, currently working as a Technical Project Manager. Experienced in managing cross-functional technical teams and overseeing end-to-end digital product development, including mobile apps and web platforms. Skilled in PLC programming, SCADA/HMI systems, electrical design, and microcontroller-based projects. Passionate about precision automation, system optimization, and bridging strategy with execution to deliver innovative solutions. Strong communicator and proactive leader with a track record of award-winning engineering projects and successful interdisciplinary collaboration.

PROJECTS

Precision Tech

Developed a high-precision closed-loop stepper motor control system using a TI C2000 microcontroller and MATLAB Simulink. Implemented real-time feedback with an encoder, enabling precise position, speed and torque control. Designed a custom stepper motor driver using KiCad to enhance stability, reduce step loss and improve overall efficiency.

Robotic Arm with Joystick Control

Designed and built a four-degree-of-freedom (4-DOF) robotic arm using MG90S servos, an Arduino microcontroller, and dual-axis joysticks.

PROFESSIONAL EXPERIENCE

Technical Project Manager - ClassMate App, Lusail, Qatar

Lead technical strategy and execution for ClassMate's app, website and backend, driving high performance and user satisfaction. Manage cross-functional teams to deliver features on time, optimize systems, and support growth. Act as a central link between leadership and technical teams, ensuring alignment and smooth delivery while continuously improving processes and adopting new technologies.

Internship - Petrotec, Doha, Qatar

Assisted in electrical system diagnostics, maintenance, and troubleshooting while gaining exposure to industrial automation and safety standards.

VOLUNTEERING

IEEE - Yearly Engineering Students Summit

Assisted in organizing technical events and workshops and professional development among peers.

M.A.D - Make A Difference (NGO)

Took initiatives to empower underprivileged children through education and creative engagement programs.

SKILLS

Electrical Design	Microsoft 365	Team Leadership
PLC Automation	Public Speaking & Presentations	Documentation

EDUCATION

Bachelor of Electrical and Electronics Engineering (First Class)

NOV 2021 - MAY 2025

Minor Specialization in Robotics and Automation