

GEORGY DANIEL MATHEWS

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CAREER SUMMARY

Electrical & Electronics Engineering graduate with a minor in Mechanical Engineering, specializing in **Industrial Automation & Control**. Skilled in PLC, SCADA, HMI, and VFD systems with hands-on exposure to Siemens and Rockwell platforms. Proven **leadership and organizational abilities** through coordinating cultural festivals, hosting technical contests, and organizing industrial visits. Strong problem-solving, teamwork, and communication skills, with a commitment to delivering innovative solutions.

EDUCATION

BACHELOR OF TECHNOLOGY | Electrical & Electronics Engineering | Mar Athanasius College of Engineering | 2026

INDUSTRIAL AUTOMATION TRAINING | IPCS Global, Pune | Ongoing

TECHNICAL SKILLS

PLC Programming (Siemens TIA Portal, SIMATIC Manager, RS Logix 500)

SCADA (InTouch), HMI (Siemens), VFD (Danfoss FC 51)

Electrical Control Wiring (DOL, Star-Delta starters)

Circuit troubleshooting & motor-control systems

CERTIFICATION AND WORKSHOPS

NPTEL – INTRODUCTION TO IOT (2024)

HANDS-ON INDUSTRIAL AUTOMATION WORKSHOP (2026)

IEEE WORKSHOPS ON AR/VR & RURAL COMMUNICATION (2023)

PROEJCTS AND INNOVATION

VISION NAVIGATION AID, *a wearable system for visually impaired (object detection, face recognition, speech feedback)*

AUTONOMOUS FIRE-FIGHTING ROBOT, *designed for flame detection & suppression*

SOLAR POWER PLANT PROTOTYPE, *a Roof-mounted sustainable energy solution*

BOOST CONVERTER DESIGN, *a high Efficiency Converter Using TL494 PWM Controller*

INTERNSHIP EXPERIENCE

INTERN | Kerala State Electricity Board (KSEB) | Nedumangad, Kerala

2022

Supported engineers in substation inspections, circuit breaker operations, and parameter recording. Gained hands-on exposure to live systems under strict safety protocols, strengthened preventive maintenance and troubleshooting skills, and enhanced teamwork and communication for industry-ready project execution.

LEADERSHIP & ACTIVITIES

I have actively taken on leadership and organizational responsibilities throughout my academic journey. As **Head of Informal Events at the Sanskrit Arts Festival (2026)**, I coordinated large-scale cultural programs and managed teams to ensure seamless execution. In **2024**, I served as **Host of the EEE Wiring Contest at Tashak Tech Fest**, engaging participants and facilitating a competitive technical event. I also acted as **Coordinator for Industrial Visits (2023–24)**, overseeing logistics and industry liaison to provide valuable exposure for peers. My involvement began as a **Volunteer at Tashak Tech Fest (2022)**, where I supported event operations. These experiences sharpened my leadership, communication, and teamwork skills while demonstrating initiative and reliability in both technical and cultural settings.