Gayan Weerasingha

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Summary

Electrical and Electronic Engineer with over 3 years of experience in MEP and electrical engineering projects at **ICC and CECB**, with strong exposure to low-voltage power distribution, switchboards, lighting systems, and site coordination. Proficient in **AutoCAD and SolidWorks**, with hands-on experience in installation, testing, and commissioning activities. Currently preparing to pursue an **MSc in Industrial Automation**, with a clear career objective to transition into automation and control-focused engineering roles.

Education

South Eastern University of Sri Lanka   **Jan 2017 - Dec 2021**

BSc.Eng. (Hon) in Electrical and Electronic engineering   *Oluvil*

Work Experience

Central Engineering Consultancy Bureau (CECB)   **Jul 2024 - Present**

Electrical Engineer   *Galle*
- Designed and consulted on electrical systems using AutoCAD, resulting in improved project efficiency and client satisfaction
- Prepared BOQ and electrical estimation for projects, ensuring accurate budgeting and resource allocation
- Prepared evaluation reports for projects, providing insights that guided decision-making and project improvements

Voltas Engineering   **Mar 2024 - Jun 2024**

Electrical Engineer (Projects)   *Colombo*
- Completed electrical system projects with a focus on improving efficiency and accuracy, utilizing skills in Electrical Installations and teamwork to ensure successful outcomes
- Conducted tests on electrical systems to ensure reliability and safety, using knowledge in Electrical Machine I & II to identify and resolve issues effectively
- Performed maintenance on electrical projects to ensure optimal performance and longevity, applying skills in Communication Systems to coordinate effectively with team members

International Construction Consortium   **Mar 2022 - Mar 2024**

MEP Engineer   *Dehiwala*
- Maintained MEP documentation and records such as method statements, material applications, requests for clarifications, and meeting minutes for the LAMCH Project in Dehiwala, ensuring accurate and up-to-date records
- Coordinated QA/QC works and liaised with consultants for the MEP section, ensuring compliance with project standards and timely resolution of issues

Ceylon Electricity Board   **Aug 2021 - Nov 2021**

Trainee Electrical Engineer   *Kandy*
- Operated and maintained Samanalawewa power station and grid substations in Kiribathkumbura, Pallekale, and Kegalle, ensuring continuous power supply and system reliability
- Managed underground power transfer and maintenance, and conducted energy management, forecasting, and planning in the central province, improving efficiency and reducing downtime

Sri Lanka Telecom   **Mar 2019 - May 2019**

Trainee Telecommunication Engineer   *Colombo*
- Assisted in operating soft switches and submarine cables, ensuring efficient communication systems and improved network reliability
- Supported the Power and AC section in SLT by contributing to the maintenance and installation of electrical systems, enhancing system performance and reducing downtime

Skills

- **Familiar Software**: Microsoft Office, MATLAB, AutoCAD, SOLIDWORKS
- **Programming Languages**: Python, Java
- **Web Development**: HTML5, CSS, JavaScript, TypeScript
- **Languages**: Sinhala - Native, English - Fluent
- **Related Modules**: Power System I & II, Electrical Machine I & II, Electrical Installations, Control Systems, Communication System, Computer Architecture, Data Structure, High Voltage
- **Others**: Team Work, Good Communication, Leadership, Problem Solving, Working Under Pressure, Fast Learning, Electrical Design, Electrical Engineering

Projects

Advance Driving Assistant System - South Eastern University of Sri Lanka
- With the increase of world cause to increment of accidents and traffic congestion on roads. This project presents the "Advanced Driving Assistant system" as the solution for mentioned problems with the latest image processing technology.

Density Based Traffic Light System - South Eastern University of Sri Lanka
- Traffic congestion becomes a major and it is caused to waste of time and money. In this project, we present a solution density-based traffic light system using image processing.

Certifications

- **Associate Member - Institute Of Engineers Sri Lanka (IESL):**Associate Member - Institute Of Engineers Sri Lanka since 2022
- **Associate Member - Engineer Council Of Sri Lanka (ECSL):**Associate Member - Engineer Council Of Sri Lanka since 2022
- **Associate Member - Institute of Engineering Technology (IET):**Associate Member - Institute of Engineering Technology (IET) since 2024