SRIVARSHINI RAJENDRAN

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# EDUCATION

## B.E- Electrical and Electronics Engineering (2021 – 2025)

SNS College of Technology CGPA – **9.63**

## HSC (2019 – 2021)

AVB Matriculation Higher Secondary School Percentage – **95.92%**

## SSLC (2018 – 2019)

Bishop Francis Matriculation School Perc entage – **96.04%**

# INTERNSHIPS

**Crapersoft – Coimbatore** May 2023 – Jun 2023

* Trained with embedded systems using softwares like **Proteus** and **MPLAB**, designed various projects with microcontrollers, microprocessors and sensors.

**Popular Systems – Coimbatore** Jul 2023 – Aug 2023

* Appointed as **Quality Control Assistant,** to check for faults, ruptures or improper insulation manufactured by Production Department with a stipend of **Rs.5000/-** per month.

**National Institute of Technology – Trichy** Jun 2024 – Jul 2024

* Worked under **SSR** activities of **DST SERB** sponsored project, assigned to study and simulate different switching schemes for three phase inverters with a stipend of **Rs.5000/-** per month.

# PROJECTS

## Energy Level Detector

* Launched a pioneering project focused on embedding a chip to gauge energy levels, resulting in automated notifications sent to electronic devices.

## Water Level Indicator

* Water level in the tank is divided into three stages and sensors are placed in the three stages to determine at which stage of the tank is reached so that motor can be turned on or off accordingly.

## Electric Piano using 555 Timer IC

* Simple piano circuit using electric components that can be a stress reliever and a DIY (do it yourself) project.

## Smart Irrigation using IoT

* Placing sensors to detect the moisture level in the root zone of the crops and automatic release of water to the crops with the sensor information, the details about land is wet or dry, water is released or not are sent to mobile phones.

## Traffic Trek-Smart Traffic Prediction Unit

* Sensors placed to detect the real-time parameters required for a traffic flow situation and updates automatically after 15 seconds displaying the traffic index at a particular spot while traveling, also monitored through webpage.

# ACHIEVEMENTS

* **AQUAHACK** – Paper Presentation (Second Prize)
* **ASTROPHILIA** – Poster Presentation (Second Prize)
* **INTERNBUG** – Campus Ambassador (Bronze)
* **TAMIL ORATORY** – PSG Alumni Association (Overall Trophy)
* **IJNRD** – Paper Publication (**DT Based Smart Energy Level Detector**-Volume 7 Issue 12, Dec 2022)
* **ACADEMIC TOPPER** – SNS College of Technology (2021 to Present)

# CERTIFICATIONS

* Power System Protection and Switchgear – NPTEL
* German I – NPTEL

# SKILLS

* **Technical Skills** –Embedded C, Python, C++, Java, Labview, MATLAB, MPLAB, Proteus,
* **Soft Skills** – Leadership, Team Work, Creativity, Communication

Place, Date: Coimbatore, 22 September 2025

Signature: