SRIDHAR V

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EDUCATION

ANNA UNIVERSITY
B.E in Electronics And Communication Engineering
CGPA: **7.145** (as of 6th Semester)
College of Engineering Guindy
July 2025 | Chennai, India

THIAGARAJAR POLYTECHNIC
Diploma in Electronics And Communication Engineering
Scored **99.28%** (Department third)
July 2022 | Salem, Tamilnadu

SKILLS

TECHNICAL
Programming Language
• Core Java • SQL(Proficient)
• Matlab • Verilog

Familiar with
• Oops • JDBC

Software:
• Xilinix VIVADO • Matlab
• Proteus • Ltspice
• OptiSystem
• COMSOL Multipysics

IoT
• ESP-32 • Arduino

SOFT SKILLS

• Communication
• Decision-making
• Teamwork
• Leadership
• Adaptability/Flexibility

LANGUAGES KNOWN

• Tamil
• English

PROJECT

WIRELESS POWER TRANSMISSION FOR DYNAMIC CHARGING OF ELECTRIC VEHICLES
(Transmitter Coil, Receiver Coil, Rectifier, Boost Converter)

• The transmitter includes the transmitter coil, capacitors, and power controller.
• The receiver includes a receiver coil, rectifier, filter, boost converter, and a voltage regulator to provide constant power to the battery.

INDOOR HOME SECURITY AND INSPECTION ROBOT
(Arduino, Sensors, IoT, Real-time Updates)

• Integrated Arduino with sensors for automatic movement, real-time monitoring, and Wi-Fi-based data updates to a web application.
• Utilized smart sensors to collect data and provided remote access for real-time updates.

SURFACE PLASMON RESONANCE (SPR) SENSOR DESIGN AND SIMULATION USING COMSOL
(COMSOL Multipysics)

• Designed and simulated a sensor for low-concentration methane detection using COMSOL
• Optimized sensor performance by adjusting the sensor layer thickness for improved sensitivity and detection accuracy.

ROVER AUTOMATION
(Wifi module, Microcontroller, UV Sensor, Servo Motor, Driver Controller)

• Created a rover with a UV sensor for obstacle detection and servo motors for autonomously changing direction.
• The rover consists of a Wi-Fi module (ESP32) and can be operated manually through a custom app.

LEADERSHIP SKILLS AND RECOGNITION'S

VICE PRESIDENT, IEEE COMMUNICATION SOCIETY
Organized "Comm Fiesta," a technical event featuring a quiz and MATLAB coding.

EVENT ORGANIZER
Organized "Rowboatics," a flagship event at Kurukshetra, an International techno-management fest.

STUDENT FACILITATOR
Took seminars for 60 students on academic topics and earned a stipend.

AWARD
Ranked 3rd out of 120 students in Diploma in Electronics and Communication Engineering