# Chakravarthi K

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# **№** Profile

Technically versatile Electrical and Electronics Engineering student with a strong foundation in both core engineering and modern softwaretechnologies. Proficient in full-stack web development (MERN stack), embedded systems, and circuit design. Experienced in building responsive applications and collaborating with cross-functional teams. Seeking an opportunity to leverage my diverse technical skills and problemsolvingabilities to contribute to real-world innovations.

# **Education**

B.Tech in Electrical and Electronic Engineering (EEE) **Puducherry Technological University** 

2021 - 2025Puducherry

Cgpa-8.00

HSC 2021

Blue Stars Hr. Sec. School Puducherry Percentage-93.91%

**SSLC** 2019

Blue Stars Hr. Sec, School Puducherry Percentage-93%

Skills

### **CORE TECHNICAL SKILLS**

- Circuit Analysis & Debugging
- MATLAB & Simulink
- Sensor interfacing

#### **FRONTEND**

• Expertise in React.js,HTML,CSS,Javascript,Bootstrap, and Tailwind CSS for building responsive and interactivesites.

#### **DATABASE**

• Experience with MongoDB and Mongoose for efficient data management and schema design.

#### **SOFTSKILLS**

• Effective verbal and written communications for seamless collaboration with teams and sharing knowledge

#### **BACKEND**

• Skilled in Node.js, Express.js for developing scalable and secure server-side applications.

# (Certificates

#### **NPTEL**

- Forest and their management
- Wildlife Ecology

#### **MERN**

• Certification in MERN full stack



## Wireless Display System

- Used Arduino board and Bluetooth sensor.
- Displayed transmitted data wirelessly on a screen.

## Underground Cable Fault Detection using SCADA and IoT

- Developed a prototype to monitor underground cable faults.
- Integrated SCADA system with IoT sensors for real-time fault detection

#### **MERN Chat-Bot**

- Built using HTML, CSS, JavaScript, Bootstrap and React.
- Backend for storing details.

# Internships

## Sri Ranganathar Industries Pvt. Ltd.

2025

• Observed manufacturing workflows and learned about industrial electrical systems.

NLC Pvt. Ltd. 2023

• Gained hands-on exposure to power systems and plant operations.

# Languages

English • • • • Tamil • • • • •