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 responsiveapplications and collaborating with cross-functional teams. Seeking an opportunity to leverage my diverse technical skills and problem-solvingabilities to contribute to real-world innovations.

🎓 Education

B.Tech in Electrical and Electronic Engineering (EEE)   2021 – 2025
Puducherry Technological University   Puducherry
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

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

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

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

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

🎗 Certificates

NPTEL
- Forest and their management
- Wildlife Ecology

MERN
- Certification in MERN full stack

📁 Projects

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**   ● ● ● ● ●