SAMUDRALA PHANINDRA KUMAR

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+91 9390965294   —   GitHub   —   LinkedIn

Objective

Enthusiastic Electrical and Electronics Engineering student with a strong foundation in circuit design, simulations, and software development. Passionate about frontend development, UI/UX, and software project management, with a focus on scalable, real-world tech solutions.

Education

SR University, Warangal - B.Tech in Electronics and Electrical Engineering *2022 – 2026*
GPA: 8.97/10 [Transcript]
Relevant Courses: Computer Architecture, Power transmission systems, Electric vehicles, Power Electronics, Linear control systems, Analog and Digital Electronics, Energy Storage and Battery Management, Computer Methods in Power Systems, Power semiconductor Drives, C, Python

Technical Skills

- **Programming Languages:** Python, C
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** MySQL
- **Simulation & Design Tools:** MATLAB, PSIM, Microsoft Visio, AutoCAD
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Power BI

Projects

Stock Price Prediction App – Streamlit, Python
Predicted stock prices using ML models and interactive dashboard.

Portfolio Website – HTML, CSS, JavaScript
Hosted personal website showcasing profile and projects.

Resume Generator Web App – HTML, CSS
Web app to generate resumes with printable formatting.

Human Protective Socket – Electronics Project
Socket design preventing electrical shock, ensuring child safety.

Internships

Summer Research Intern – National Institute of Technology, Warangal *May 2025 – July 2025*
Worked on the *"Design and Development of an Improved Ultra-Cubic Gain DC-DC Converter for Electric Vehicles and Grid Application"* in the Department of Electrical Engineering. Gained hands-on experience in advanced converter design, simulation, and applications for e-mobility and grid systems. [Certificate]

Certifications

- Cisco Introduction to Networks (2025) [Certificate]
- SQL and Relational Databases – IBM (2025) [Certificate]
- Electric Vehicle Technology Workshop – TVS (2024) [Certificate]
- Deloitte Data Analytics Simulation – Forage (2025) [Certificate]

Achievements

- Joint Secretary, Martial Arts Club, SR University (2023–2024)

Soft Skills

Communication, Leadership, Teamwork, Problem Solving, Analytical Thinking, Adaptability