

# HARIHARAN B

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## CAREER OBJECTIVE

Driven and future-focused Electronics and Communication Engineering student with hands-on exposure to VLSI design, SoC systems, and intelligent automation. Eager to contribute to innovative tech solutions by integrating strong foundations in Python, AI, and embedded systems with real-world problem-solving. Seeking opportunities in a dynamic organization where I can apply my technical knowledge, expand my skills in next-gen electronics and design, and grow as a versatile engineer shaping tomorrow's technology.

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## EDUCATION

<b>SRM Institute of Science and Technology, Vadapalani</b>	<b>2022-2026</b>
<ul style="list-style-type: none"><li>• B.Tech , Electronics and Communication Engineering</li><li>• CGPA: 8.95</li></ul>	
<b>Victory Matric Hr Sec School</b>	<b>2021-2022</b>
<ul style="list-style-type: none"><li>• HSC%-83.67%</li></ul>	
<b>Victory Matric Hr Sec School</b>	<b>2019-2020</b>
<ul style="list-style-type: none"><li>• SSLC%-90.60%</li></ul>	

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## SKILLS

### Technical Skills

- Programming: VerilogHDL, Python
- Hardware Design: Arduino, PCB Design (EasyEDA)
- Simulation: Silvaco
- Productivity Tools: MS Word, MS Excel, Canva
- AI, Data Management, VLSI, UI/UX Design, Data science

### Soft Skills

- Time Management
  - Communication Skills
  - Problem Solving
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## PROJECTS

### Design and Investigation of TFET for Analog/RF Applications - [Link](#)

- Simulated and analyzed TFET performance for low-power VLSI applications.

### Automatic Hydro Management for Optimal Plant Care - [Link](#)

- Built an Arduino-based system that automates irrigation using soil moisture sensors.

### Light Tracking Robot - [Link](#)

- Developed a light-tracking robot that uses sensors to detect and follow light sources.

### Responsive Landpage      Github - [Link](#)      Web Page - [Link](#)

- Built a responsive landing page using HTML, CSS, and JavaScript.

### Spot watch      Github - [Link](#)      Web Page - [Link](#)

- Developed a responsive digital watch UI using HTML, CSS, and JavaScript.

### Tic Tac Toe      Github - [Link](#)      Web Page - [Link](#)

- Created a responsive Tic Tac Toe game using HTML, CSS, and JavaScript.

### Personal Portfolio      Github - [Link](#)      Web Page - [Link](#)

- Designed and built a responsive personal portfolio website using HTML, CSS, and JavaScript.

### Weather App      Github - [Link](#)      Web Page - [Link](#)

- Developed a responsive weather app with real-time data using HTML, CSS, JavaScript, and OpenWeather API.

### Titanic Survival Prediction      Github - [Link](#)

- Built a machine learning model to predict Titanic passenger survival using Python and scikit-learn.
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## EXPERIENCE

### Peeyesym Hyundai - [Link](#)

May 2024-Jun 2024

- A service internship in a car company focusing on sensors involves learning about their role in vehicle systems, diagnosing issues, and calibrating them for optimal performance. It provides hands-on experience with automotive technologies, enhancing skills in diagnostics and sensor integration

### Prodigy Infotech - [Link](#)

May 2025-Jun 2025

- Completed a 1-month Web Development internship at Prodigy InfoTech. Built four hands-on projects including a responsive landing page, stopwatch app, tic-tac-toe game, and personal portfolio website. Gained practical experience in HTML, CSS, and JavaScript. Improved skills in responsive design, problem-solving, and UI development.

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## CERTIFICATION

### 1.NPTEL: Python for Data Science - [Link](#)

Credential ID: IIT - NPTEL24CS68S233103853

### 2.Great Learning: Introduction to AI - [Link](#)

### 3.Hackerrank: Python (Basic) - [Link](#)

Credential ID: 895CD2A47610

### 4.TCS iON: Master Data Management for Beginners - [Link](#)

Credential ID: 71279-27742525-1016

### 5.Goldmans Sachs: Software Engineering Job Simulation- [Link](#)

### 6.Genesis'24: Paper Presentation- [Link](#)

### 7.IBM: Python for Data Science, AI & Development - [Link](#)

Credential ID: B84HGQWSZRH2

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## WORKSHOPS

### 1.One-day handson Workshop on Introduction to Python for Machine Learning-[Link](#)

### 2.Workshop on Igniting VLSI Aspirations: Career Pathways- [Link](#)

### 3.Workshop on UI/UX Design by EXADATA- [Link](#)

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## CO-CURRICULAR

### SRM Institute of Science and Technology - Abhigyan'24

- Event Organizer for Paper Presentation at SRM Institute of Science and Technology's Abhigyan '24. Coordinated event logistics, including setup, scheduling, and ensuring smooth flow of the event

### Volunteering

- Volunteered with the Anbu Suzh Ulagu Foundation to support community development activities, including organizing and engaging in outreach programs to help impoverished groups and promote social welfare.

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## LANGUAGES KNOWN

- English (Professional Working Proficiency)
  - Tamil (Native Proficiency)
  - Japanese (Fundamental Proficiency)
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