HARIHARAN B

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LinkedIn | GitHub | Portfolio

CAREER OBJECTIVE

Future-focused Electronics and Communication Engineering student with strong foundations in Python, AI, and embedded systems. Passionate about cloud technologies and software development, with hands-on experience in web development, VLSI simulation, and IoT automation. Seeking to contribute to cloud-driven projects, especially in an AWS environment, while growing as a full-stack or cloud engineer.

EDUCATION

B.Tech in Electronics and Communication Engineering
SRM Institute of Science and Technology, Vadapalani   2022 – 2026
CGPA: 9.02

HSC
Victory Matric Hr Sec School   2022
Score: 83.67%

SSLC
Victory Matric Hr Sec School   2020
Score: 90.60%

TECHNICAL SKILLS

- **Programming Languages:** Python, Verilog HDL.
- **Area of Interest:** AI, Data Management, VLSI, UI/UX Design, Data Science.
- **Hardware/Simulation:** Arduino, EasyEDA, Silvaco TCAD.
- **Productivity Tools:** MS Word, MS Excel, Github, Canva.
- **Soft Skills:** Time Management, Communication Skills, Problem Solving, Multitasking.

PROJECTS

Design and Investigation of TFET for Analog/RF Applications
Simulated and analyzed TFET performance using Silvaco for low-power VLSI systems.

Automatic Hydro Management for Optimal Plant Care
Built an irrigation system using soil moisture sensors and Arduino for optimized watering.

Light Tracking Robot
Designed a robot that follows light using sensor feedback loops.

Weather App
Built a responsive weather dashboard using OpenWeather API.
GitHub   —   Live Demo

Responsive Landing Page

Established a fully responsive landing page using HTML, CSS, and JS.

[GitHub](#) — [Live Demo](#)

Tic Tac Toe Game

Implemented a simple game using JavaScript DOM manipulation.

[GitHub](#) — [Live Demo](#)

Stopwatch App

A responsive stopwatch with start/pause/reset functions.

[GitHub](#) — [Live Demo](#)

Titanic Survival Prediction (ML)

Generated a classifier using scikit-learn to predict survival based on passenger data.

[GitHub](#)

INTERNSHIPS

Web Development Intern – Prodigy InfoTech   May–June 2025

Generated four responsive frontend projects including stopwatch, portfolio, and games.

Automotive Service Intern – Peeyesyem Hyundai   May–June 2024

Gained hands-on experience with sensors, diagnostics, and vehicle maintenance systems.

CERTIFICATIONS

- IBM – Python for Data Science, AI & Development
- NPTEL – Python for Data Science
- Goldman Sachs – Software Engineering Virtual Internship
- Great Learning – Introduction to AI
- TCS iON – Master Data Management
- HackerRank – Python (Basic)
- UI/UX, VLSI, Python ML Workshops (SRM, EXADATA, Genesis'24)

CO-CURRICULAR & VOLUNTEERING

Event Organizer – Abhigyan'24

Managed logistics and coordination for paper presentation events.

Volunteer – Anbu Suzh Ulagu Foundation

Participated in beach clean-up and community outreach events.

LANGUAGES

- English — Professional
- Tamil — Native
- Japanese — Basic Proficiency