

Dinaesh Baabu B S

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Motivated 3rd-year B.Tech ECE student with a keen interest in electronics, communication systems, and programming, seeking opportunities to enhance skills through practical experience and innovative projects.

Fluent in English, Tamil, and Beginner in German

EXPERIENCE

- Summer internship in Bharat intern as Full stack web development
- Data Science Intern- Coincent Internship, Chennai
- Workshop on VLSI chip design and verification- EDVEON
- Airport Authority of India(AAI)- Internship on CNS systems.
- Participated in RISC-V INTERNATIONAL HACKATHON

PROJECTS

- **Food Spoilage Detection Using Machine Learning (2024)** - Designed a machine learning model to detect spoiled apples using image data captured from a camera module. Trained the model on visual features to classify apples as fresh or spoiled based on surface characteristics. Integrated the system with hardware for real-time image acquisition and automated spoilage detection.
- **Blog website and Student Registration form - Built using HTML, CSS and JavaScript(2024)** - Developed a dynamic student registration form and responsive blog website using JavaScript, CSS, and HTML. The website was designed to ensure seamless interaction across devices by incorporating form validation, a modular code structure, and user-friendly UI/UX principles.
- **Forest Degradation Prediction Using AI(2025)** - Developed a forest degradation prediction model using Random Forest in Python, leveraging spatial and environmental datasets. Built a Streamlit dashboard to visualize deforestation and carbon stock trends, supporting AI-based forest conservation efforts. Applied GIS preprocessing and feature engineering to prepare data for accurate environmental forecasting.
- **Electronic Control Unit (ECU)-Simulation -Built using Python(2025)-** Emulated real-time automotive sensor data processing, control logic, and CAN-like communication protocols by simulating an Electronic Control Unit (ECU) in Python. This allowed for the rapid prototyping and validation of embedded automotive functionalities in a virtual environment.

EDUCATION

Bachelor in Technology, Electronics and Communication Engineering (Data Science)

2022- present

SRM University, Chennai

Expected graduation date: May 2026

CGPA: 8.14/10

12th grade-Adithya Vidyashram Residential School Puducherry with 85%.

10th grade-Saradha Matric Higher Secondary School with 89.6%.

SKILLS

Soft Skills:

Communication, Time Management, Adaptability, Team work

Technical Skills:

Programming languages: C , Python , SQL , Java

Web development: HTML, CSS, JavaScript.

Hardware : Embedded C, ESP32,

ARDUINO,PIC Microcontrollers ; Tools : Proteus, Arduino IDE, VS Code

COURSES

Python for Data science (Coincent-Microsoft)

100 Days Of Python – UDEMY

The Web Development Bootcamp – UDEMY

Database management system – NPTEL

VOLUNTEERING EXPERIENCE

Executive Member

Anandham Youth Foundation – NGO

Links

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