

Shreelakshmi Ramesh Hegde

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SUMMARY

Final-year B.E. student specializing in Artificial Intelligence and Machine Learning. Strong in data analytics, programming, and software development with hands-on experience in building AI/ML models, automation systems, and patented IoT-based projects. Effective team player with excellent communication, leadership, and problem-solving skills.

TECHNICAL SKILLS

Programming Languages: Python, SQL, HTML, CSS

Data Analytics & Visualization: Exploratory Data Analysis (EDA), Power BI

Artificial Intelligence & Machine Learning: Supervised & Unsupervised Learning, Predictive Modeling, Anomaly Detection

Frameworks & Tools: Jupyter Notebook, VS Code

SOFT SKILLS

Soft Skills: Communication, Teamwork, Leadership, Presentation skills

EXPERIENCE

iTelematics Software Private Limited

Mar 2025 – Present

Machine Learning Intern (Remote)

Worked on EV battery health prediction and fault detection using Python and ML models.
Handled SoH prediction, anomaly detection, and telemetry data processing.

Austrach Technologies

Oct 2025 – Present

Software Development Intern (Remote)

Worked on front-end development using HTML, CSS, and JavaScript.
Contributed to UI components, debugging, and feature improvements.

PROJECTS

AI-Powered EV Battery Safety System

2025-Ongoing

Machine Learning Project

Python, PyBaMM, Scikit-learn

Developed ML models (RandomForest, Autoencoder, LSTM) to predict battery State of Health (SoH), detect motor/battery faults, and assess thermal risk using EV telemetry data (voltage, current, temperature, SoC). Integrated results into a control loop for smart fast/slow charging decisions.

IoT-Based Smart Stove Control (CookCommander)

2024 – Patent Published in 2025

IoT Project

ESP32, Sound Sensor

Built an ESP32-based system using a sound sensor, motor driver, and BO DC motor to control a gas stove automatically.
Programmed the ESP32 to detect and count pressure cooker whistles, then turn the gas knob off when the set count is reached.
Increased kitchen safety and saved energy by reducing the need for manual supervision through IoT automation.

EDUCATION

Canara Engineering College

Bantwal, Karnataka

B.E. in Artificial Intelligence & Machine Learning

2022 – 2026 – CGPA: 8.68

Dr. A V Baliga College

Kumta, Karnataka

Pre-University Education

2022 – Percentage: 86%

BGS Central School

Mirjan, Karnataka

High School

2020 – Percentage: 84%

CERTIFICATIONS

GenAI Powered Data Analytics Job Simulation – Tata Forage (Sept 2025)

Workshop on Large Language Models (GenAI) – Canara Engineering College (May 2025)

Basics of C, HTML, CSS, Arduino – Spoken Tutorial (2024–25)

Internet of Things – Workshop by Kakunje Software

Basics of Machine Learning – Accolade Tech Solutions