Contact

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pawar711 (LinkedIn)

Top Skills

Amazon Web Services (AWS)

Applied Machine Learning

Web Development

Certifications

Microcontroller Embedded C
Programming: Absolute Beginners

Introduction to Machine Learning on
AWS

MATLAB Fundamentals

OPENCV BOOTCAMP

Simulink Fundamentals

Honors-Awards

Winner of Mini-Project competition

First Runner Up at WabTec Exceed
2.0

Outstanding Achievement and
Contribution Award for Q1 2024 at
Baxter

Shruti Pawar

Always Learning | Rapid Adaptor | Solution-Oriented
Pune, Maharashtra, India

Summary

I could tell you about me, but it's way more fun to show you my
portfolio: https://shruti7110.github.io/
Let's build something great together!

Experience

Self-Employed
Freelance Software Engineer
April 2025 - Present (4 months)

Applying AI where it matters: Built and deployed models for tumor detection,
predictive maintenance, and LLM-based tools for work automation. Focused
on building practical solutions that are fast, deployable, and user-ready.

Baxter International Inc.
Engineer 1
August 2023 - April 2025 (1 year 9 months)
Bengaluru, Karnataka, India

• Electronic Circuit Design and Development
• Built predictive models for motor health, developed real-time sensor
dashboards, and implemented hardware-in-the-loop systems integrating both
embedded and software components
• Curated and analysed field complaint data to identify root causes and drive
improvements, leveraging tools such as Power BI, Excel, MATLAB, and
Anaconda for data visualization, statistical analysis, and reporting.
• Collaborated cross-functionally with engineering teams to refine designs
based on analysis outcomes and field performance insights.

Unitech Automation - India
Research Intern
June 2022 - July 2022 (2 months)

Sensor-Based Component Colour Detection for Wiring Harnesses

• Designed and implemented an end-to-end hardware system to detect the color of relays, diodes, and fuses in automotive wiring harnesses using a combination of sensors and custom-designed electronic circuits.

• Responsible for the entire lifecycle: from schematic design in KiCad, circuit prototyping, and sensor integration to firmware development and deployment using Arduino.

• Interpreted and optimized complex schematics to ensure accurate component detection and system reliability.

• Gained hands-on experience in hardware-software integration, real-time sensor data processing, and troubleshooting embedded systems.

Education

MKSSS Cummins College of Engineering for Women
Bachelor of Engineering - BE, Instrumentation Technology/ Technician · (2019 - 2023)

Sir Parashurambhau College - India
 · (2017 - 2019)