

PRABHU G

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🔗 PRABHU-tech

SUMMARY

Final year Electronics and Communication Engineering student at KPR Institute of Engineering and Technology with a strong foundation in full stack development, Embedded Systems, and IoT. Experienced in real-time system development through hands-on projects such as smart home automation and portable water quality monitoring, integrating both front-end interfaces and back-end logic. Skilled in problem analysis, leadership, and communication, with proficiency in HTML, basic Python, C, and IoT platforms. Passionate about building scalable, user-friendly web and system applications. Eager to contribute to impactful full stack projects and grow in the field of web development and technology innovation.

WORK EXPERIENCE

EMGLITZ TECHNOLOGIES

Embedded and IoT Intern

Apr 2024 - Apr 2024

- Worked on IoT and embedded system projects using Arduino and sensors. Helped build systems for real-time monitoring and automation. Learned how to connect devices, send data, and improve how they work together.
- WebsiteLink://<https://emglitz.com/index.html>.

ASPIRE TECHNOLOGIES

Embedded Intern

Jan 2024 - Feb 2024

- Helped build and test electronic products like digital scoreboards, nurse call systems, and token systems. Worked with microcontrollers, sensors, and wiring. Learned how real devices are made for hospitals, offices, and public places.
- <https://atil.in>

EDUCATION

GHSS Kalapatti HSC - 86.8% June 2021 - March 202

SSLC - - 78.8%

June 2019 - - March 2020

GHSS Kalapatti

HSC - - 86.8%

June 2021 - March 2022

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY Oct 2022 - Apr2025

Bachelor of Engineering (ECE) - - 8.44

Oct 2022 - - Apr2025

PROJECTS

IOT BAED SMART HOME AUTOMATION

- Developed an IoT-based smart home automation system for seamless remote monitoring and control of household appliances.
- Implemented real-time device control and status updates using a mobile/web interface for enhanced user interaction.
- Optimized energy usage and improved user convenience by incorporating automated scheduling and sensor-triggered actions

Student Application Form [🔗](#)

- Created a functional HTML-based form to collect student data with proper field structuring and input types.

Movie Review Page [🔗](#)

- Designed a clean and structured HTML review page for the Tamil film *DNA*, showcasing semantic tags and content formatting.

PORTABLE WATER QUALITY TESTING AND MONITORING DEVICE

- Designed and developed a portable device for real-time water quality testing and monitoring.
- Integrated sensors to measure key parameters such as pH, turbidity, and temperature.
 - Enabled wireless data transmission and live monitoring via IoT integration.
- Tech Stack: Arduino, NodeMCU, Sensors, IoT, C

SKILLS

- Front End
- SQL
- C Basics
- JAVA Basics
- Python
- Embedded
- IOT

CERTIFICATE

Design Thinking- A Primer - NPTEL

Introduction to IoT - SKILLUP

LANGUAGE

Tamil

English

Telugu

TECH PROFILE

- Interviewbit:// <https://www.interviewbit.com/profile/prabhu-prabha/>
- CodingProfile://<https://leetcode.com/u/PRABHUG/>
- Hackerrank://<https://www.hackerrank.com/profile/22ec07>