



KAMPALI USHA PAUL
B.Tech. - Electrical & Electronics Engineering
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BRIEF SUMMARY

I am an engineering graduate with strong foundations in embedded systems, programming, and sustainable technology solutions. During my academic journey, I worked on projects such as a Wind Powered Smart Street Light and Smart Water Management System, which enhanced my expertise in microcontrollers, IoT, and renewable energy integration. I am eager to begin my career as a Graduate Engineer Trainee at JSW, where I can apply my technical skills, problem-solving ability, and collaborative mindset to contribute to innovative industrial solutions. My long-term goal is to grow within the organization, take up challenging roles, and actively contribute to sustainable growth and advanced engineering practices at JSW.

KEY EXPERTISE

Java HTML5 CSS Embedded C Github SQL Good at my core concepts Adaptable to any situations
Good in problem solving skills

EDUCATION

Ballari Institute of Technology and Management B.Tech. - Electrical & Electronics Engineering Percentage: 87.75 / 100	2022 - 2026
Sri Vidyaniketan PU College Gangavathi, Gangawathi 12 th PUC Karnataka Percentage: 85.50 / 100	2022
Jijamatha Kanya Prashala Akluj, Akluj 10 th MSBSHSE Percentage: 86.80 / 100	2020

PROJECTS

Wind powered smart street light Mentor: Prof Parvathi Team Size: 4 Key Skills: Renewable Energy Embedded C Microcontroller Sensors The "Wind Powered Smart Street Light System" is an innovative and eco-friendly solution designed to reduce energy consumption by combining wind energy harvesting with smart automation. A compact vertical-axis wind turbine generates electricity, which is stored in rechargeable batteries to power energy-efficient LED lights. The system uses sensors and a microcontroller to automatically adjust lighting based on ambient light and motion, staying dim when idle and brightening when pedestrians or vehicles are detected, thereby conserving energy and extending battery life. My role focused on microcontroller programming, sensor integration, and system testing, ensuring reliable and efficient operation. The project provided hands-on experience in embedded systems, power electronics, and renewable energy, and demonstrates how sustainable, intelligent solutions can improve public infrastructure while reducing environmental impact.	20 Nov, 2024 - 02 Jan, 2025
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IMs

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PERSONAL DETAILS

Gender: Female	Date of Birth: 23 May, 2004
Marital Status: Single	Permanent Address: Mahadev nagar, Akluj, Akluj, Maharastra, India - 413101
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