

Ayush Bhange

Full stack developer

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Nagpur, Maharashtra, India

EXPERIENCE

Academic and Collaborative Projects:

Web Application Development: Developed a responsive web application for an e-commerce website using a full-stack approach with JavaScript for dynamic front-end features.

Collaborative IoT Project: Worked as part of a team to design and test IoT-enabled solutions, such as real-time data acquisition systems for agricultural applications, ensuring seamless sensor integration and cloud communication.

Quality Assurance and Code Reviews: Assisted in reviewing peer code, identifying potential bugs, and maintaining code quality standards to deliver robust solutions.

PROJECTS

Bootstrap Project: Created responsive, mobile-first web applications, integrating modern UI/UX practices using Bootstrap.

SASS Implementation: Used SASS to enhance CSS styling with mixins, variables, and nesting for efficient and maintainable code.

Webpage Practice: Built and experimented with multiple small-scale web pages, focusing on semantic HTML and interactive JavaScript features.

Academic Project: Smart Irrigation System Using IoT – Designed an IoT-driven solution for monitoring soil moisture and temperature, automating water distribution to optimise resource use.

SKILLS

Programming Languages:
Proficient in C, C++, Python

Web Technologies: HTML, CSS, JavaScript, Bootstrap, NodeJS, Jira

Databases: PostgreSQL

Tools: MS Office, GitHub, selenium

Development: Mobile Development, IoT integration

EDUCATION

Bachelor of Technology (B.Tech) in Information Technology

Rashtra Sant Tukdoji Maharaj University, Nagpur (2024)

CERTIFICATIONS

Barclays LifeSkills Programme by GTT Foundation

LANGUAGES

English, Hindi, Marathi

GRADUATION PROJECT

Smart Irrigation System Using IoT

Smart irrigation using lot leverages sensors to monitor soil moisture, temperature, and other factors, automatically activating water pumps based on real-time needs, saving water and optimizing crop growth. This remote-monitored system allows for data-driven decisions and efficient resource management.

TESTING SKILLS

Good knowledge of Software Development Life Cycle (SDLC).

Understand of Testing Life Cycle.

Static Test:

- Read and understand (Analyze) Business Documents.
- Find Unclear & Conflict Points.
- Review Code with Developer.

Dynamic Test:

- Write Test Cases.
- Find Bugs.
- Write Bug Report & Follow up with the Developer team. Maintain Product Quality.

PUBLICATIONS

Journal pager publication
(IJARESM)- March 2024

TITLE OF PAPER :

Smart Irrigation System Using IoT

PERSONAL SKILL

Good. communication skills.

Attention to detail.

Analytical thinking.

Ability to handle & solve problems.

Ability to work in teams.

Welling to improve my skills generally.