Ashish Alva

in linkedin.com/in/ashish-alva | +91-7892038215 | ashishalva1234@gmail.com

Summary

B.E. graduate passionate about building web applications and smart automation solutions. Skilled in Java, Python, SQL, React, and Node.js with a focus on creating intuitive, user-friendly experiences. Eager to apply technical and design skills to develop impactful real-world solutions.

Education

Bachelors of Engineering – Electronics & Communication Engineering	*Mangalore Institute of Technology & Engineering*	*Moodabidri*	2022-Present
Senior Secondary (12th)	*Alvas Pre University College*	*Moodabidri*	2020-2022
Secondary School (SSLC)	*Our Lady of Pompei*	*Kaikamba*	2019-2020

Experience

UI/UX Design Intern	*Zetpeak*	Remote	Feb/2025-May/2025

- Designed 20+ wireframes and interactive prototypes using Figma and Affinity Designer for web interfaces, following usability and accessibility principles.
- Collaborated with a cross-functional team of designers to standardize UI components, reducing design inconsistencies across various components of the project.

Data Analyst Intern	*Shell-Edunet*	Remote	Dec/2024-Jan/2025

- Processed and analyzed energy consumption datasets using Power BI, transforming raw data into actionable visual insights.
- Assisted in creating clear visual reports that helped in understanding consumption patterns.

Skills

- **Languages**: Python | Java | JavaScript | HTML | CSS | SQL
- **Databases:** MySQL | PostgreSQL
- **Frameworks & Tools:** Git & GitHub | React | Django | Node JS | Postman | Salesforce | Figma | Flutter
- **Expertise:** FullStack Development | App Development

Projects

An intelligent step and zone detection-based player monitoring system for referee support   Sep/2025

- Built a smart system to track player movements by detecting steps and zone transitions in real time. Provides referee support by enabling accurate decision making and minimizing human error.
- Improved fairness and transparency in gameplay through automated monitoring and insights.

Smart Communication of Disabled Individuals   March/2025

- Created a Smart Communication System for Disabled Individuals that converts voice commands into sign language for hearing and speech impaired users and provides real time tactile feedback for visually impaired users through a Braille device.
- The system was built using 3D printed parts, solenoids for tactile switches and speech recognition modules, offering an affordable, inclusive solution for assistive communication.

Smart Appliance control and carbon footprint Monitoring   Nov/2024

- Built a smart automation system using ESP32, integrating sensors such as ACS712 for current sensing and zmPT101B for voltage sensing.
- Designed an IoT based solution to monitor real-time energy metrics, including voltage, current, power consumption, and carbon footprint.

Certifications & Achievements

- **Tech Kabaddi (Govt. of Karnataka, NAIN Incubation),** Designed and implemented a referee-support system for step & zone detection.
- **Entrepreneurial Thinking,** IUCEE.
- **Oracle Cloud Infrastructure AI Foundations,** Oracle University.
- **Student Coordinator,** IEEE Student Branch (2023–2025) – Organized technical events & hackathons.
- **Participant, Bangalore Tech Summit 2023,** Gained insights on emerging technologies from global industry leaders.