Atharva Bhavar

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Skills

Programming Languages : C, Java, Python, JavaScript

Frameworks & Libraries: Node.js, React.js

Database : MySQL , MongoDB

Education

B.Tech Information Technology (Hons. Cyber Security) | CGPA : 9.12   **2022-2026**

- Sanjivani College of Engineering, Kopargaon

Internship

TwinsisTech (Software Developer)   **June 2024 - Present**

Skills Used : ReactJs, HTML, CSS, Canva, NodeJs.

- **Contributed** to the development of a healthcare product, focusing on enhancing user experience and functionality.
- **Collaborated** with cross-functional teams to **design** and **implement 8+** core features.
- Utilized modern web technologies like React and Node.js to ensure the application is 100% responsive across devices and platforms.
- **Drove** improvements in the product's interface and backend integration during the development phase.

Projects

Class Management System for a Computer Institute   🔗 link   **March 2024 - June 2024**

Technologies : ReactJs, HTML, CSS, Canva, NodeJs, MySQL, Express.

- **Developed** a comprehensive system to manage student enrollment for 500+ students, automate printing of fee receipts and streamline administration of 25+ courses.
- **Implemented** user authentication and authorization for 3 types of roles (Admin, Sub-Admin, and Student) to manage access and permissions effectively.
- **Reduced** unnecessary tax payments by **30%** by accurately tracking and updating student enrollment statuses, ensuring that only active students were billed.
- This **resolved** an issue with the centralized platform that incorrectly charged taxes for students who left the course, resulting in significant cost savings of more than Rs.25,000 for the institute.

Waqt Pe Post - Smart Delivery Management System for Indian Postal Services   **December 2024**

Technologies : Java, NetBeans, Apache, MySQL.

- Designed a system to optimize delivery routes and ensure time-slot-based scheduling for 100000+ postal zones.
- Implemented cluster-based mapping, dividing delivery areas into fixed 15 km radius clusters, improving route efficiency.
- Integrated **real-time map visualization**, improving delivery tracking and reducing route planning time by **80%.**
- Enhanced operational efficiency by ensuring **95% on-time deliveries** within specified time windows.

SolarSync - Energy Optimization and Auto-Scheduling System   **December 2024**

Technologies : Java, NetBeans, Apache, MySQL.

- Addressed inefficiencies in household energy use, as **40% of energy consumption comes from appliances that could be better scheduled**, achieving significant savings.
- Developed an AI-powered platform to optimize energy consumption and automate scheduling for households and businesses.
- Built forecasting models for electricity pricing and consumption with **85% accuracy**.
- Incorporated features for real-time pricing analysis, solar energy management, and energy-saving recommendations, reducing energy costs by **up to 30%** for users.
- Delivered a scalable solution, enabling efficient energy utilization and **30% improvement in scheduling accuracy**.

Awards and Achievements

- **Winner in the Smart India Hackathon 2024**, standing out **among 86,000 teams** nationwide with an AI-based customized time-slot delivery platform designed to optimize logistics and enhance efficiency.
- **Luminous Techno-X Finalist : Ranked top 10 among 48,000 teams** by developing innovative energy optimization and auto-scheduling solutions.
- **ICICI Lombard :** Shortlisted in the **top 30** for the ICICI Lombard Case Study Competition.
- **India Skills Competition :** Selected for the cluster-level India Skills Competition, showcasing proficiency and excellence in technical skills.
- **Inspire Award :** Selected for state level demonstrating innovation and scientific thinking.

Volunteering

- **Computer Society Of India SCOE student Branch :** Vice President — **September 2024**
- **Students Alumni Relations Cell :** Digital Marketing Team Member — **March 2023 - June 2024**
- **Bhaskaracharya Mathematics Club :** Executive Member — **February 2023 - August 2023**

Certifications

- **NPTEL DSA using JAVA Certificate (Elite Category)**
- **PMKVY Software Programmer**
- **NPTEL Python Data Science Certificate (Elite)**
- **[AWS Cloud Foundations](#)**
- **[AWS Cloud Architecting](#)**