Renuka Wadetwar

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Skills

Programming Languages: C, C++, Python
Web Development: HTML, CSS, JavaScript, Node.js, React.js
Database Management: Oracle, MySQL, MongoDB, Neo4j
Operating Systems: Linux
Tools & Visualization: Power BI, Excel

Experience

Social Media & Content Intern – Service Learning Program — Jan 2024 – May 2024
Agresar Foundation (ESTREE Program) — *Nagpur, MH, IN*
- Designed impactful posts and reels to promote women empowerment, showcase handmade jute bags, and raise awareness on social platforms.
- Created a digital magazine highlighting the program's initiatives, stories, and community impact.

Web Development Intern — Mar 2025 – Jun 2025
VS Tech Horizon Pvt. Ltd. — *Remote*
- Built real-world full-stack web applications using HTML5, CSS3, JavaScript, and React.js on the frontend.
- Developed backend APIs with Node.js and MongoDB, enhancing performance and database operations.
- Worked in a remote agile team, participating in code reviews, sprint planning, and iterative feature development to ensure robust and maintainable code.

Education

Symbiosis Institute of Technology — 2022 – 2026
B.Tech in Computer Science and Engineering — *Nagpur, MH, IN*
CGPA: 8.9

Publications

Research Paper on Credit Risk Analysis using Machine Learning
- Presented at the 8th International Conference on Computing Communication Control & Automation (ICCUBEA-2024).
- Compared K-Nearest Neighbours (KNN) and Logistic Regression models, achieving 77.2% accuracy with Logistic Regression and 75.4% with KNN.

Research Paper on IoT-Integrated Door Sensor Solution for Enhancing Smart Home Security
- Presented at the 4th International Conference on Technological Advancements in Computational Sciences (ICTACS-2024).
- Proposed a cost-effective IoT door sensor integrating motion, contact, and camera modules, reducing costs by 25% and enhancing threat detection by 20%.

Review Paper on Comprehensive Review on AI's Role in Women Empowerment
- Paper accepted at the Global Conference on Cognitive Computing and Communication Technology (GC4T-2025).

Projects

Nex_Hub:Revealing Hidden Profile Information & Job Ranking Using Graph Analysis
- Developed an AI-powered job recommendation system to connect recruiters with ideal candidates using Neo4j-based graph analysis.
- Reduced hiring time by 40% through skill-based candidate ranking and smart filters.
- Built with React.js, Node.js, Python, and Neo4j.

IoT-Based Smart Dustbin
- Conceptualized and built IoT-enabled smart dustbin management system using Arduino IDE; automated lid operations via sensor and motor integration, eliminating manual intervention and increasing efficiency by 50%.
- Implemented a Tinkercad-based simulation environment, decreasing physical prototype builds by 4 per project and saving an estimated 20 hours per week in testing and rework.

Certifications

ServiceNow Certified System Administrator (CSA)
ServiceNow Certified Application Developer (CAD)
NPTEL – The Joy of Computing using Python: ELITE distinction
Oracle Academy's Database Foundations
Red Hat System Administration I (RH124)
Google Cloud Computing Foundations Certification