

Harsh Jagtap

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👤 GitHub Profile

🔗 LinkedIn Profile

EDUCATION

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|---|---|-------------------|
| • G.H. Raisoni College of Engineering, Nagpur | <i>B.Tech in Computer Science & Engineering (IoT)</i> | 2021 – 2025 |
| | | CGPA: 8.83 |
| • Mohsinbhai Zaweri Jr. College Desaiganj(Wadsa), Gadchiroli | | 2020 |
| | <i>Higher Secondary Certificate (HSC), MSBSHSE</i> | Percentage: 74.15 |
| • Z.P. High School, Gadchiroli | | 2018 |
| | <i>Secondary School Certificate (SSC), MSBSHSE</i> | Percentage: 89.60 |

INTERNSHIP

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| • PhoenixZone Technologies Pvt. Ltd. | <i>15 Jun, 2024 – 17 Dec, 2024</i> |
| | Pune |
| – Spearheaded the development of an IoT-Integrated Machine Learning system for cattle health monitoring, utilizing ESP32 microcontrollers , accelerometers, and RFID sensors to capture real-time behavioral data. | |
| – Engineered a predictive analysis pipeline using Gradient Boosting Machine (GBM) algorithms, achieving a 92% accuracy rate in detecting estrus cycles and reducing false positives. | |
| – Integrated Google Firebase for scalable cloud storage and developed a user-friendly dashboard to visualize health metrics, enabling data-driven decision-making for farmers. | |
| – Demonstrated Team Leadership and Teamwork by coordinating field trials that resulted in a 10–15% increase in milk productivity and improved reproductive management efficiency. | |

PROJECTS

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| • CDAC Alumni Management & Engagement Portal | <i>1 Month</i> |
| | <i>Full Stack Developer</i> |
| – Technologies: Java, Spring Boot, Spring Security, JWT, React.js, MySQL, Hibernate. | |
| – Developed a centralized full-stack platform to streamline alumni and student engagement, featuring event management and role-specific dashboards. | |
| – Implemented Role-Based Access Control (RBAC) using Spring Security and JWT to ensure secure data access for Admin, Alumni, and Student users. | |
| – Designed scalable RESTful APIs following a layered architecture and utilized Hibernate/JPA for efficient data persistence and validation. | |
| • Intelligent Vehicle Diagnostic Terminal | <i>1 Month</i> |
| | <i>.NET Developer</i> |
| – Technologies: C#.NET 8, WPF, MVVM Pattern, Asynchronous Programming. | |
| – Built a real-time vehicle simulation dashboard using WPF , implementing the MVVM architecture to decouple the UI from business logic. | |
| – Engineered a background physics simulator using Async/Await and C# Events to generate live telemetry (RPM, Torque, Temp) without freezing the UI. | |
| – Integrated an interactive query interface allowing users to "chat" with the vehicle to diagnose active faults and retrieve status updates via data binding. | |

TECHNICAL SKILLS

Languages: Java, C#, C++, JavaScript, SQL

Frameworks & Databases: Spring Boot, .NET, WPF, React.js, Hibernate, MySQL

Tools & Platforms: Git, GitHub, VS Code, Visual Studio, Postman

Concepts: OOP, DSA, MVVM, REST APIs

LEADERSHIP & VOLUNTEERING

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| • Technical Team Member, AI Odyssey '24 | <i>Apr 2024</i> |
| – Developed the 'Scan & Hunt' technical game, designed event posters, and managed technical logistics. Collaborated with the core team to troubleshoot real-time challenges, ensuring seamless event execution and high participant engagement. | |
| • Social Volunteer, Anmol Foundation (Project Samarpan) | <i>Jan 2024</i> |
| – Created tactile educational crafts for blind students and conducted hands-on learning sessions. Demonstrated strong team leadership by coordinating workshop activities and fostering an inclusive environment for skill development. | |

CERTIFICATIONS

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| • PG Diploma in Advanced Computing (PG-DAC), C-DAC Hyderabad | <i>Aug 2025 – Feb 2026</i> |
| – Completed a 900-hour intensive full-time residency program designed to bridge the gap between academic knowledge and industry standards. | |
| • Mastering Java + Spring Boot: REST APIs and Microservices, Udemy | <i>Nov 2025</i> |
| – Completed an extensive 83.5-hour specialized curriculum focusing on building scalable backend systems using Spring Boot and Microservices architecture. | |