Harsh Jagtap

+91-7745045806 | GitHub Profile
harshjagtap555@gmail.com | LinkedIn Profile

Education

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

Internship

- **PhoenixZone Technologies Pvt. Ltd.** *15 Jun, 2024 – 17 Dec, 2024*
  Intern 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.

Personal Projects

- **CDAC Alumni Management & Engagement Portal** *1 Month*
  Full Stack Developer
  - 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** *1 Month*
  .NET Developer
  - 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

Positions of Responsibility

- **Technical Team Member,** AI Odyssey '24 *Apr 2024*
  - 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) *Jan 2024*
  - 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

- **PG Diploma in Advanced Computing (PG-DAC),** C-DAC Hyderabad *Aug 2025 – Feb 2026*
  - 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 *Nov 2025*
  - Completed an extensive **83.5-hour** specialized curriculum focusing on building scalable backend systems using Spring Boot and Microservices architecture.