

Mehul Vishwakarma

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SUMMARY

Enthusiastic and results-driven Artificial Intelligence & Machine Learning student with hands-on experience in developing AI-powered solutions and ML models, focusing on responsible and effective problem-solving.

PROJECTS

- FRA Atlas – Digitization & Decision Support Platform

A FastAPI + MySQL platform that automates tribal landclaim processing. Uses OCR to extract data from documents and a rule-based engine to map beneficiaries to suitable government schemes.

- AI based Smart Irrigation System

A machine learning system that helps farmers make efficient water usage decisions. Built to reduce water wastage and improve crop health using soil data, weather conditions, and predictive analytics.

- HealthAI Guardian

An integrated chronic disease prediction system using ML, NLP, and sensor data. Supports symptom evaluation, personalized risk scores, and early-warning alerts.

- SehatSathi – Personal Health & Mental Fitness Assistant

An assistant that combines physical health tracking and mental wellbeing monitoring. Includes calorie estimation, workout suggestions, stress scoring, mood analytics, and a conversational health guide.

Hackathon ACHIEVEMENTS

- NexGen Hack Ghaziabad 2025 – Finalist

Shortlisted from 400 teams into the final 30 teams

Top 15 ranking list among 30 finalists

- VOID Hacks 7.0 Hackathon

Shortlisted from 250+ teams into the final 30

INTERNSHIP

AICTE – EduNet Foundation (4 Weeks)

Developed an ML based irrigation decision support system using soil, moisture, and weather parameters. Deployed prototype using Streamlit for practical water planning.

EDUCATION

Shri Ram Institute of Technology, Jabalpur

CGPA: 8.8

B.Tech in Computer Science (Artificial Intelligence & Machine Learning)

(2023–2027)

Central Academy Higher Secondary School, Shahdol

Percentage: 91.8%

Senior Secondary (12th), PCM

(2022 – 2023)

Spring Dales Higher Secondary School, Shahdol

Percentage: 81.6%

Secondary (10th)

(2020 – 2021)

TECHNICAL SKILLS

- Language: C++, Python
- Frameworks: Pandas, Numpy, Matplotlib, Scikit-learn, Flask
- Tools: GitHub, VsCode, Jupyter notebooks, vercel and netlify deployment

ADDITIONAL INFORMATION

Languages: English, Hindi

Interests: Listening to Music, exploring upcoming technologies