

# Shirish Waghmode

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## ACADEMIC QUALIFICATIONS

2019- 2024	M.Tech (Computer Science and Engineering spl Artificial Intelligence)	Vellore Institute of Technology(VIT), Bhopal	8.20/10
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## Acheivements

- Winner of the **INTERNATIONAL UNESCO INDIA-AFRICA HACKATHON**, recognized among the top 120 teams in India, awarded by Vice President Shri Jagdeep Dhankhar.
- Winner of **Smart India Hackathon 2022** by MoE's AICTE in the Smart Automation domain.
- Semifinalist at **Virtusa Jatayu Season 3** (2022).
- Achieved a remarkable **91%** in TCS NQT 2023 among 60,000 candidates, conducted by Ion Digital TCS.

## Skills

- **Technical Skills:** Java, HTML, CSS, JavaScript,React,Node.js, MySQL, Manual Testing,SDLC.
- **Certifications:** Microsoft Azure cloud
  - Microsoft Software Development Essentials,
  - Atlassian Agile Project Managment Professional
- **Artificial Intelligence:** Python,Machine Learning , LLMs, Gen AI, NLP.
- **Personal Attributes:** Strong Communication, Collaboration, Problem-Solving .

## Professional Experience

### Software Development

*ProDT Consulting Services, Pune, Maharashtra*

- Led and collaborated on web development projects using HTML, CSS, and JavaScript, improving user engagement by 20% and reducing bounce rates by 15%.
- Worked with low-code platforms (Weweb, Xano), reducing development time by 30% and increasing efficiency by 25%.
- Optimized software performance, reducing bugs by 40% and improving overall code efficiency by 35%.
- Built and tested RESTful APIs, capable of handling over 5,000 concurrent users, reducing issues and increasing operational efficiency.

### Team Leader & ML Developer

*Alpha Medics App for Diabetes Mellitus, UNESCO India-Africa Hackathon*

- Led a team to develop a health application aimed at early identification of diabetes mellitus.
- Integrated alert notification systems and developed an OCR detection model using YOLO v4.
- Managed the project lifecycle, ensuring successful delivery under tight deadlines.

## Projects

### Alpha Medics App for Diabetes Mellitus

- Developed a machine learning-based mobile application to detect diabetes early and provide alert notifications.
- Integrated OCR (Optical Character Recognition) detection with YOLO v4 for digit recognition from medical reports.
- Led the backend development using Python Flask, while collaborating with the front-end team for smooth user experience.

### Antimicrobial Resistance Prediction System

- Created a machine learning model using SVM and Linear Regression to predict antimicrobial resistance with 93% accuracy.
- Built the web interface using Flask for model deployment and enabled integration with hospital databases.
- Successfully collaborated with data scientists and healthcare experts to improve prediction outcomes.

### AI Image Genration Using MERN and DALL-E

- Developed an AI image generator using the MERN stack and integrated OpenAI's DALL-E to create images from user prompts.
- Implemented a secure backend for user authentication, image storage, and retrieval with MongoDB.
- Integrated DALL-E's API, handling API requests with low latency.