

# Manish Kumar Vodlamodi

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## Education

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**Malla Reddy College of Engineering and Technology**

Bachelor of Technology – Computer Science and Engineering (AIML) CGPA:8.3

**Telangana, India**

Sep 2023 – June 2027

## Projects

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- **Team Connect – Real-time Collaboration Platform**

**Tech Stack-Python, Flask, WebSocket, REST API, JS, HTML, CSS, MySQL**

- Designed and engineered a scalable collaboration tool supporting chat, video calls, task tracking, and file sharing.
- Implemented robust role-based access (admin & user) and real-time communication using WebSocket.
- Collaborated in a team to integrate Google Gemini AI assistant for intelligent task suggestions.
- Applied software engineering principles to ensure modular, testable, and maintainable code.

- **Accelerating Drug Discovery via Generative AI**

**Tech Stack-Python, Flask, GeminiAPI, HTML, JS, CSS, MySQL**

- Built a full-stack platform using AI models to identify drug candidates and predict their biological impact.
- Applied image recognition for medicine identification and integrated Gemini API for intelligent analysis.
- Followed agile principles to iterate based on feedback and improved model performance with custom datasets.
- Demonstrated strong adoption of new technologies and best practices to solve real-world healthcare problems.

## Certificate / Hackathons

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- **Google:** Machine Learning Operations (MLOps) for Generative AI
- **TechGyan** at BITS Pilani: AI & Ethical Hacking Workshop
- **W3Schools:** Certified in C# Programming

## Technical Skills

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- **Programming Language:** C, Java, Python, C#
- **Database:** MySQL
- **Frameworks:** Flask, Bootstrap, Spring Boot, React, Node.js
- **Tools/Technique:** Git, Restful API, Postman API, MCP server, Pandas, TensorFlow, Unity
- **Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOPS), Computer Networks