

# Mustansir Bharmal

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## WORK EXPERIENCE

### Simplify Healthcare | AI/ML Intern

May'24 - Oct'24

- Responsible for the chatbot development using Python, Flask, Azure, Embedding, and Redis.
- Performed OpenAI API integration to streamline customer inquiries, achieving a 30% reduction in response times.
- Built RESTful API using Flask to fetch, update and delete from Azure, increased data retrieval speed by 50%.
- Maintain the storage of chats of users by using the in-memory storage using Redis.

### Techlithic Solutions | Backend Developer Intern

April '24 - May'24

- Created a controller for managing custom contact fields in the SendWo product, improving data storage efficiency by 30%.
- Constructed a payment gateway on the company product website using Razorpay API, till now 20+ transactions completed.
- Established Two-Step verification and authentication feature in the SendWo product website, upgrade security by 20%.
- Designed a user interface page to add and update the custom contact fields, increased data update speed by 25%.

### Orscope Technologies | Front End Developer Intern

Oct'23 - Dec'23

- Utilized third-party APIs to enhance website functionality by 10% and provide additional services to users.
- Enhanced website by making responsive design using Bootstrap and gaining a 30% increase in mobile conversions.
- Use the AOS library for animating elements on scroll and improve the design and user experience by 10% .

### CodSoft | Web Developer Intern

Aug'23 - Sep'23

- Implemented Foreign Keys and Joins to efficiently relate data across tables, reducing redundancy by 30%.
- Established database connectivity and handled sessions using PHP, growth performance by 25%.
- Provided front-end development support, creating eye-catching designs that level up project design quality by 10%.

## Projects - Top 3

### Dynamic Home Service Booking App

Developed a fully functional Home Service Booking App, enabling users to book services seamlessly.

- Enhanced user experience with dynamic booking functionality and real-time technician response system.
- Integrated Google Maps API for accurate location tracking and GPay API for secure and swift payment processing.
- Leveraged Firebase for real-time data storage, ensuring high performance and seamless synchronization across devices.
- Ensured password security through advanced techniques like Hashing and Salting, raised data security by 10%.

### Tours and Travels App

Developed a responsive and dynamic Tours and Travels App, where users can book tickets and hire drivers.

- Enabled seamless ticket booking and driver hiring with real-time availability management.
- Utilized Firebase for real-time database management, ensuring fast and reliable data synchronization.
- Designed for high responsiveness across all devices, delivering an optimized user experience.

### AI Powered Chatbot

Created a chatbot with AI capabilities using Python, Flask, Microsoft Azure, and Vector Embedding, with 85% accuracy.

- Integrated OpenAI API to automate and generate formatted responses, improving response accuracy and efficiency by 40%.
- Decompressed and embedded company data from Cosmos DB, reducing response time by 75%.
- Made a robust data-fetching pipeline with ExpressJS and Flask, boosting response retrieval by 25%.

## Education

### Marwadi University | Diploma in Computer Engineering

2023 - 2025

- CGPA: 9.86
- Honored with 1st Rank Award | Competitive Programming Club | Robotics Club | IoT Club

## Skills

### Programming Skills

C | C++ | HTML | CSS | JavaScript | NodeJS | ExpressJS | SQL | Bootstrap 5 | Java | Python | Flask | Microsoft Azure | PHP | Laravel | Git | Linux | Vector Embeddings | XML | Kotlin | Android Studio | APIs

### Soft Skills

Communication | Digital Marketing | Public Speaking