

# H M VISHWANATHAIAH

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## Summary

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Detail oriented Software Developer with hands on experience in full stack development and AI powered applications. Strong foundation in Data Structures and Algorithms, Object Oriented Programming, and system design principles. Experienced in building scalable web applications using React.js, Next.js, Node.js, Express.js, MongoDB, and Gemini AI. Skilled in API development, performance optimization, cloud deployment, and delivering production ready software solutions.

## Education

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**Bachelor of Engineering in Information Science and Engineering**  
Mangalore Institute of Technology and Engineering (Autonomous)

2023 to Present  
CGPA: 8.06

## Technical Skills

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**Programming Languages:** C, Java, JavaScript, Python

**Frontend Technologies:** React.js, Next.js, TypeScript, Tailwind CSS, HTML5, CSS3

**Backend Technologies:** Node.js, Express.js, RESTful APIs, JWT Authentication

**Databases:** MongoDB, MySQL

**AI and Automation:** Gemini API, Large Language Models, Prompt Engineering, Voice AI

**Developer Tools and Concepts:** Git, GitHub, CI CD, Debugging, OOPs, System Design, DSA

## Projects

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**Voice AI Virtual Assistant** | React.js, Node.js, Express.js, Gemini API [Github](#) | [Live Demo](#)

- Developed a voice enabled AI assistant achieving 95 percent speech recognition accuracy for daily task automation.
- Implemented natural language understanding and API driven workflows for search, navigation, and information retrieval.
- Deployed the application with less than 2 second response time and 99.9 percent uptime, tested across 100 plus user sessions.

**Custom AI Chatbot for Business Websites** | Next.js, Node.js, MongoDB, Gemini AI [GitHub](#) | [Live Demo](#)

- Built a customizable AI chatbot for business websites, supporting real estate and ecommerce use cases.
- Automated 60% of customer queries with Gemini AI, improving response efficiency by 40
- Achieved sub 2 second response times through optimized APIs and efficient database design.

**Live Video Streaming Web Application** | React.js, Node.js, WebRTC, Zego Cloud [GitHub](#)

- Built a real time video streaming platform supporting over 100 concurrent users with live chat and screen sharing.
- Integrated WebRTC and cloud streaming services for low latency and scalable video delivery.
- Achieved less than 2 second streaming latency through optimized signaling and backend performance tuning.

## Certifications

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- Front End Web Developer Certification by Laurence Svekis - April 2025
- JP Morgan Software Engineering Virtual Experience - July 2025
- Deloitte Australia Cyber Security Virtual Experience - June 2025

## Awards and Achievements

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- Finalist at MITE First Ideathon for an innovative software solution.
- Second Round Qualifier at EY Techathon organized by Ernst and Young.
- Second Round Qualifier at Smart India Hackathon 2025.
- Selected Participant in MSME Hackathon 2025 for an industry focused MSME solution.
- Participant in Google Developers Hackathon held at NMIT Campus, Bengaluru.
- Cleared TCS CodeVita Season 13 – Round 1 with Global Rank #3687 secured #2 rank in college by solving 2 problems