

# Madan M S

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Bangalore, Karnataka

## Professional Summary

Software Engineer with practical experience in building AI-powered systems and intelligent automation tools. Skilled in full-stack development using React, Node.js, and Python, with a deep understanding of machine learning fundamentals. Proven ability to design and deploy scalable, AI-integrated solutions that improve efficiency and user experience. Passionate about applying AI to solve real-world software engineering problems.

## Core Skills

- Programming: Python, Java, JavaScript, SQL, C , React.js, Node.js, Express.js, HTML5, CSS3
- AI & Machine Learning: Scikit-learn, Pandas, Prompt Engineering, LLM APIs
- Data & Automation: MySQL, MongoDB, REST APIs, Web Scraping, Scripting
- Dev Tools: Git, GitHub, VS Code, Jupyter Notebook
- Methodologies: Agile, Test-Driven Development (TDD), Version Control

## Relevant Projects

### 1. AI Resume Screener

- Developed an AI-driven screening system that automatically evaluates resumes against job requirements using custom prompt engineering with LLM APIs.
- Reduced initial recruitment workload by 60% and improved match relevance through contextual keyword analysis.
- Implemented auto-sorting and scoring features to streamline candidate evaluation pipelines.

### 2. AI Agent for Real Estate

- Created an intelligent assistant that analyzes user queries using NLP and recommends properties based on a dynamic rule engine and third-party APIs.
- Cut search time by over 50% through contextual matching and automated filtering logic.
- Integrated AI reasoning capabilities to personalize results and improve recommendation quality.

### 3. Online Complaint Management System

- Designed and built a complaint resolution system with automated routing and ticket tracking using the MERN stack.
- Achieved 40% faster issue resolution by integrating backend automation and real-time status updates.
- Implemented modular and scalable code structures following RESTful architecture.

### 4. Live Ticket Notifier

- Developed a Python-based ticket monitoring bot that scrapes websites and sends alerts via Telegram API.
- Enabled 3x faster user response rates and reduced dependency on manual ticket monitoring.

## Education

Bachelor of Engineering (B.E.) – Computer Science & Engineering

JSS Academy of Technical Education, Bengaluru | 2022–2026 | CGPA: 7.87

Pre-University Course (PUC) – PCMB

Maganur Basappa PU College, Davanagere | 2020–2022 | Percentage: 83%

10th

Vishwachetana Vidyaniketan, Davanagere | 2020 | Percentage: 68%

## Certifications

- Cyber Security-Forge
- Software Development-Forge
- Artificial Intelligence Essentials – Onwingspan
- Foundations of Agents-Hugging Face

## Languages

- English – Professional Proficiency
- Kannada – Native
- Hindi – Conversational