

J MADHAN

B.Tech Student in AI

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JM

SUMMARY

I am a dedicated B.Tech student specializing in Artificial Intelligence with hands-on experience in developing innovative projects. My strong foundation in Data Structures and Algorithms complements my programming skills in Python and various AI technologies. Through internships and collaborative work, I have applied machine learning solutions to real-world problems. I am eager to grow in the industry and contribute to impactful AI projects

EXPERIENCE

10/2024 - 03/2025

Online & Offline

Intern

e-Yantra Innovation challenge-2024-25-IIT BOMBAY

Online & Offline internship program focusing on innovative educational AI solutions

- Participated in e-Yantra Innovation Challenge 2024-25, collaborating in a multidisciplinary team
- Contributed to TutorTeach.ai, an AI-powered personalized learning platform by implementing ML algorithms
- Gained hands-on experience in problem-solving, teamwork, and AI-driven solutions

08/2023 - 10/2023

Online

Intern

Skill forge

Skill forge is a platform that offered comprehensive AI training

- Completed an online internship program focused on artificial intelligence with Python
- Gained hands-on experience through a real-time project (ANN Classification Model)

EDUCATION

08/2022 - 05/2026

Chittoor, AP

Bachelor of Technology in Computer Science and Engineering (AI)

Vemu Institute of Technology

06/2019 - 05/2021

Tirupathi, AP

Intermediate in Maths, Physics, Chemistry

Narayana Junior College

KEY ACHIEVEMENTS



Hackathon Winner at Code Sangram 2025

Winning the hackathon Code Sangram for an intelligent resume-job matching system



AI-Powered TB Diagnosis & Care Platform

Development of PulmoScan.AI, a tuberculosis diagnosis platform enhancing healthcare delivery

SKILLS

AWS

Azure

Data Structures

Deep Learning

Git

GitHub

HTML

Keras

ML Algorithms

NLP

Numpy

OpenCV

Pandas

Python

PyTorch

Scikit-Learn

SQL

TensorFlow

Visual Studio Code

Gmail

PROJECTS

Feature Extraction From Images

07/2024 - 08/2024

Feature extraction project from images for Amazon ML Challenge

- Isolated key attributes from images using libraries like OpenCV or Scikit-image
- Achieved 89% accuracy and an F1 score of 0.8

PROJECTS

NLP-Based CV Relevancy Ranking System

📅 10/2024 - 10/2024

NLP-based system for CV evaluation and ranking

- Developed an AI-driven web application ranking CVs based on relevancy to job descriptions
- Fine-tuned a pre-trained language model for evaluating CVs

AI Powered Job & Resume Matching System

📅 03/2025 - 03/2025

Winning project for CodeSangram 2025 and Bangalore Tech Innovation 2025

- Developed an intelligent resume-job matching system using TensorFlow and NLP
- Eliminated hiring bias while automating 85% of screening work

AI-Powered TB Diagnosis & Care Platform

📅 04/2025 - 04/2025

AI-powered healthcare solution for tuberculosis diagnosis

- Developed PulmoScan.AI for AI-based tuberculosis diagnosis using TensorFlow Lite
- Reduced misdiagnosis rates and improved TB treatment with a 90% detection rate