

MANOJ KUMAR REDDY KODURU

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LinkedIn

Github

SUMMARY

- Pursuing Integrated M.Tech in Software Engineering at Vellore Institute of Technology with 8.70/10.0 CGPA
- Specialized in artificial intelligence, machine learning, and system design with strong analytical skills
- Proficient in software development lifecycle with hands-on experience in Agile methodologies
- Proven ability to build AI-driven applications using Java and Python programming languages
- Strong problem-solving expertise with experience in full-stack development and database management

Education

Vellore Institute of Technology, Amaravati

Dec 2021 – May 2026

Integrated M.Tech in Software Engineering | CGPA: 8.70/10.0

Narayana Junior College, Vijayawada

June 2019 – July 2021

Intermediate (MPC Stream) | Marks: 926/1000 (92.6%)

Projects

ApplyMate – AI-Powered Job Discovery Platform | Python, Selenium, Streamlit

Sep 2025 – Present

- Developed job aggregation platform scraping and processing listings from multiple boards using Python, Firecrawl API
- Built automated email delivery system with Python SMTP sending personalized daily job recommendations based on AI matching
- Engineered intelligent job matching algorithm using Google Generative AI to analyze and filter opportunities
- Developed web scraping pipeline with error handling and rate limiting for LinkedIn, Indeed, and Naukri
- Designed Streamlit dashboard for configuring job search criteria and notification settings
- Currently developing Selenium browser automation for one-click application submission

Intelligent Document Query System | Python, LangChain, Ollama, Whisper, ChromaDB

May 2024 – July 2024

- Developed AI-powered document retrieval system supporting PDF, PPT, TXT, and audio files for semantic search using RAG architecture
- Architected document processing pipeline using LangChain with RecursiveCharacterTextSplitter achieving **85% retrieval accuracy** on 100+ test queries
- Implemented vector embeddings with Ollama stored in ChromaDB, reducing query response time from **15s to 4s** through optimized chunking
- Engineered multi-query retrieval generating 3-5 query variations per input, improving result relevance by **40%**
- Integrated OpenAI Whisper for speech recognition enabling audio transcription with **95% accuracy**
- Designed prompt engineering templates with context grounding, reducing hallucination rate from 25% to **under 5%**

Skills

Programming Languages: Java, Python, SQL

Frameworks & Libraries: LangChain, Streamlit

Databases: MySQL, ChromaDB

AI/ML Tools: OpenAI API, Google Generative AI, Ollama, Whisper, RAG Systems

Tools & Platforms: Git, GitHub, Selenium, Firecrawl API

Core Competencies: Data Structures Algorithms (DSA), Object-Oriented Programming (OOP), Agile, SDLC

Soft Skills: Communication, Teamwork, Leadership, Adaptability, Problem-Solving, Time Management

Achievements & Activities

CodeChef Club Member | VIT Amaravati

Dec 2021 – Present

- Active participant in competitive programming club focusing on algorithm optimization and problem-solving