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J Kishore Kumar

Undergraduate at VIT Chennai | AI Engineer | Agentic Systems | Generative AI Workflows | Backend Developer

Chennai, Tamil Nadu, India

527 followers · 500+ connections

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CYSCOM VIT Chennai

Vellore Institute of Technology

Personal Website

About

I'm an AI Engineer passionate about building intelligent systems using generative AI and autonomous agent technologies. I develop scalable SaaS applications that combine AI with backend solutions. I have experience in Python, cloud platforms like AWS and Azure, and a solid understanding of DevOps. I want to be part of teams building practical solutions with real impact.

Experience

Technical Team Member
CYSCOM VIT Chennai
Aug 2023 - Present · 2 years
Chennai, Tamil Nadu, India

Machine Learning Intern
Unified Mentor Private Limited
May 2025 - Jun 2025 · 2 months
Chennai, Tamil Nadu, India

Education

Vellore Institute of Technology
Bachelor of Technology - BTech · Computer Science
2022 - 2026

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Edit contents

Edit visibility

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Your profile's public visibility — On

Basic (required)

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Profile photo

- ( ) Only 1st-degree connections
  LinkedIn members directly connected to you.
- ( ) Your network
  Your connections, up to three degrees away from you.
- ( ) All LinkedIn members
- (•) Public
  All LinkedIn members on or off LinkedIn. Your content could be visible in search results (Google, Bing, etc.).

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Details	Show
Past experience	Show
Details	Show
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Details	Show

2020 - 2022

Licenses & Certifications

Google Data Analytics Professional Certificate
Coursera
Issued Jan 2025
Credential ID ACNVLQLHS7AY
See credential

Microsoft Certified Azure AI Fundamentals
Microsoft
Issued Jul 2024
Credential ID ITS-8506652

Projects

Autonomous Parallel Path Planning System

Feb 2025 - Jun 2025

Developed a full-stack application that demonstrates and benchmarks real-time pathfinding algorithms on real-world road networks. Integrated both sequential and parallel implementations of Dijkstra, A*, and Bellman-Ford algorithms to analyze performance gains from multithreading and multiprocessing in Python.

The backend, built with Flask, NetworkX, and OSMnx, performs graph processing on Chennai's road network, while the frontend, using Next.js (React 19) and React-Leaflet, provides an...

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Answerly – Retrieval-Augmented Conversational Agent with Multi-Document Embedding Fusion

Apr 2025 - May 2025

Answerly is a Retrieval-Augmented Generation (RAG) system built as a Chrome extension with a FastAPI backend. It allows users to ask questions specifically about the content of the webpage they are currently viewing. If the answer cannot be found in the page's content, it responds accordingly — ensuring answers are grounded only in the provided context.

Key features:
- Chrome extension to ask questions directly from any webpage
- Uses Hugging Face's all-MiniLM-L6-v2 for semantic...

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PaveSense – Real-Time Pothole Detection & Mapping System

Feb 2025 - May 2025

PaveSense is a full-stack, real-time road health monitoring system that detects potholes using smartphone sensor data and maps them for infrastructure use. It combines mobile sensor streaming, WebSocket-based backend processing, machine learning detection, and an interactive dashboard for visualization and reporting.

Key features:
- Real-time data processing using FastAPI with WebSocket support
- ML-based pothole detection with severity classification and cooldown logic
-...

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Public profile badge

Promote your profile by adding a badge to your blog, online resume, or website.

Create a badge

Languages

English
Full professional proficiency

Hindi
Professional working proficiency

Tamil
Native or bilingual proficiency

Telugu
Limited working proficiency