

# Rajkumar V

AI Engineer

*tech84602@gmail.com / www.linkedin.com/in/rajkumar~v*

*Karur, Tamil Nadu, 639005, India / 9894200254*

3rd-year B.Tech AI&DS student with hands-on experience in AI, ML, DL, and GenAI. Completed 200+ projects. Skilled in Python, TensorFlow, LangChain, and Power BI. Founder of Tech Academy with strong problem-solving, communication, and collaboration skills

## Education

**Chettinad College of Engineering and Technology** Sep 2023 - May 2027  
B.Tech Artificial Intelligence and Data Science  
GPA: 8.232

**Sri Meenakshi Matric Hr Sec School** Jun 2022 - Mar 2023  
HSC (Higher Secondary Certificate) Computer Science with Mathematics  
GPA: 81.2

**Sri Meenakshi Matric Hr Sec School** Jun 2020 - Mar 2021  
SSLC (Secondary School Leaving Certificate) General Curriculum  
GPA: ALL pass

## Projects

**Real-Time Fake News Detection using Agentic AI** Feb 2025 - Feb 2025  
Developed an intelligent news credibility checker using LangChain, AGNO, and LLM agents. Designed to process live news input, identify misinformation patterns, and return credibility scores instantly. Focused on real-world use cases and scalable design.

**Object Detection using YOLOv11** Nov 2024 - Nov 2024  
Trained a custom object detection model using YOLOv11 architecture on a real-world image dataset. Achieved high mAP@0.5 performance. Included live inference pipeline and visual bounding box outputs. Used data augmentation and custom anchor tuning for accuracy optimization.

**Resume Parser using LLaMA3-8B-8192 with Gradio** Aug 2024 - Aug 2024  
Developed a smart resume parser app that extracts key insights (skills, education, experience) using LLaMA3-based language model. Integrated with a user-friendly Gradio interface for instant parsing and classification. Optimized for noisy PDFs and multi-page resumes with high accuracy.

## Work Experience

<b>FreeLancer of GenAI engineer</b> <i>self-employed / India</i>	Nov 2024 - Present
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Built GenAI-powered assistants and computer vision based system of an AI-based attendance system for Fiterz using LangChain, , Firebase\_admin, Opencv and FastAPI. Delivered real-world freelance solutions with a strong focus on Generative AI deployment, integration, and problem-solving.

## Core Skills

**Programming Languages:** Python, SQL

**Frameworks & Libraries:** TensorFlow, Scikit-learn, Hugging Face

**GenAI Tools:** LangChain, LangGraph, CrewAI, AutoGen

**Deployment:** Flask, FastAPI, Gradio, Streamlit

**Data Analytics:** Power BI, Tableau, Excel

**SoftSkills:** Communication, Teamwork, Time Management

## Awards

<b>Winner – AI/ML 24hr Hackathon (Prayukthi 2024)</b> Bannari Amman Institute of Technology	Feb 2025
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Secured 1st place for developing a real-time fake news detection system using an Agentic AI framework powered by AGNO and LangChain. Integrated LLM-powered agents to assess credibility of news articles with high accuracy.

## Certificates

<b>Artificial Intelligence Internship</b> Pantech.ai	Dec 2023
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<b>Machine Learning Internship</b> Pantech.ai	Dec 2023
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<b>Deep Learning Internship</b> Pantech.ai	Feb 2024
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<b>Generative AI Internship</b> Pantech.ai	Nov 2024
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