

# Manish Kumar

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[Portfolio Website](#) | [YouTube](#)

## EDUCATION

### Rungta College of Engineering and Technology

Bachelor of Technology in Artificial Intelligence & Machine Learning

Bhilai, Chhattisgarh

Currently Pursuing (2nd Year)

- Focus areas: Data Structures, Machine Learning Algorithms, Computer Vision, Operating Systems. **Relevant Coursework:** Data Structures & Algorithms (DSA), Operating Systems, Object-Oriented Programming (OOP), Mathematics for ML, Database Management Systems (DBMS).

## TECHNICAL SKILLS

**Languages:** Python, SQL, JavaScript (Node.js)

**Machine Learning:** Linear/Logistic Regression, SVM, KNN, Decision Trees, Random Forest, Scikit-Learn

**AI & Frameworks:** MediaPipe (Computer Vision), Vosk (Speech Rec), Ollama (LLMs), TensorFlow

**Development Tools:** Docker, n8n (Automation), ML flow, Git/GitHub, VS Code, Ollama, Hugging Face

**Web Development:** React.js, Django, HTML/CSS

## PROJECTS

### ISAGI AI | Python, PyQt6, MediaPipe, Vosk

Jan 2026

- Developed a desktop Virtual Assistant capable of controlling PC functions via Voice Commands and Hand Gestures.
- Implemented offline Speech Recognition using Vosk for low-latency command execution.
- Designed a futuristic, translucent GUI using PyQt6 to visualize system status and listening modes.

### Automation Bots Ecosystem | Python, n8n, Docker

Dec 2025

- Engineered high-performance chatbots for WhatsApp and Telegram to handle automated replies.
- Utilized Docker containers to host n8n workflows, ensuring 24/7 uptime and scalability.
- Integrated unofficial APIs to bypass standard limitations for mass-traffic handling.

### ML Workflow Analysis | Scikit-Learn, MLFlow

Nov 2025

- Created a comparative study of supervised learning algorithms (SVM, KNN, Decision Trees) on varied datasets.
- Implemented data preprocessing pipelines including normalization and feature scaling to improve model accuracy.

## EXPERIENCE & CONTENT CREATION

### Tech Content Creator

Remote

YouTube Channel: AIML With Manish

Dec 2025 – Present

- Creating educational video content simplifying complex AI/ML concepts like Logistic Regression and LLMs.
- Building a community of developers by sharing open-source projects and code tutorials.
- Tech Stack used: OBS Studio for capture, DaVinci Resolve for editing, and Python for demonstrations.

### Technical Writer

Remote

Medium (Manishkumar)

Dec 2025 – Present

- Authored technical blogs on Linear Regression, Logistic Regression, Decision Tree, Random Forest, svm, Knn, Confusion matrix and Thier AI implementation details.
- documented project build logs to help students replicate automation workflows.