G PRAVEEN KUMAR

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— Portfolio
— LinkedIn
— GitHub
— LeetCode

Summary

Recent Computer Science Engineering graduate with hands-on experience in Artificial Intelligence, Machine Learning, Deep Learning, Generative AI, and Large Language Models (LLMs). Skilled in Python, PyTorch, TensorFlow, and AI model development, with strong problem-solving and software engineering abilities. Passionate about building intelligent solutions and seeking an AI/ML Engineer role to contribute to innovative, real-world applications.

Technical Skills

Languages: Python, SQL, JavaScript, TypeScript
AI/ML: Machine Learning, Deep Learning, Neural Networks (CNN, RNN, Transformers), Computer Vision, Natural Language Processing (NLP), Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Prompt Engineering, Agentic AI
Frameworks, Libraries & Tools: PyTorch, TensorFlow, Scikit-learn, OpenCV, MediaPipe, Hugging Face, LangGraph, FastAPI, Flask, Streamlit, Git, GitHub, Docker, Kubernetes, Vector Databases, PostgreSQL, Google Cloud Platform
Data Science & Mathematics: Data Preprocessing, Data Visualization, Model Evaluation, Probability & Statistics, Linear Algebra, Calculus, Optimization
Core CS: Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, Computer Networks, System Design

Experience

IBM SkillsBuild Internship – Edunet Foundation (All India Council for Technical Education) Remote
Artificial Intelligence & Machine Learning Intern Dec 2025 – Jan 2026

- Designed and developed an AI-driven Resume & Portfolio Builder that generates tailored resumes, cover letters, and portfolios from user input, improving employability for freshers.
- Built structured prompt engineering workflows to personalize LLM outputs across different job roles and skill levels, strengthening practical expertise in generative AI.
- Improved resume quality for a large group of students, significantly reducing the time required to create job-ready application materials.

Project Experience

Real-Time AI Gym Coach — Python, Streamlit, OpenCV, MediaPipe, LLMs, SQLite — Demo GitHub

- Developed a real-time AI-powered fitness coaching application using Computer Vision, OpenCV, and MediaPipe for live pose estimation, exercise recognition, and automated repetition counting.
- Integrated Large Language Models (LLMs) and Text-to-Speech (gTTS) to deliver personalized workout guidance, interactive coaching, and real-time feedback.
- Built a fitness analytics dashboard using Streamlit and SQLite for workout history management, progress tracking, and performance visualization.
- Implemented real-time video processing and posture analysis to improve exercise accuracy and enhance user engagement through intelligent fitness monitoring.

Snapclass-Smart ai attendance system — Python, OpenCV, TensorFlow, Flask/FastAPI, SQL — Demo GitHub

- Developed a real-time attendance management system using Face Recognition, Computer Vision, and QR Code Authentication for secure and automated attendance tracking.
- Built student registration, facial verification, class management, and attendance monitoring modules using Python, OpenCV, TensorFlow, and SQL.
- Implemented real-time face detection and identity verification pipelines to automate attendance recording and reporting.
- Developed RESTful APIs using Flask/FastAPI for seamless integration of attendance management, verification workflows, and database operations.

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering Oct 2022 – Jul 2026
CSI Wesley Institute of Technology and Science (JNTUH), Hyderabad, Telangana CGPA: 8.10/10

Certifications

Certificates

IIT Madras: AI/ML with Python (3-Month Intensive Training Program)
Google Cloud: Building Hands-on Experience in AI Agents.
ISRO: AI/ML for Geodata Anaiytics and Geodata Processing using Python and Machine Learning.
Workshop: AI Tools and Claude workshop by be10x.
Udemy: Specialized AI/ML training courses.