

VIKRAMJEET SINGH

AI/ML Engineer | Generative AI | Data Science | Python Developer

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PROFESSIONAL SUMMARY

Artificial Intelligence Engineer with hands-on experience in building machine learning models, generative AI solutions, and natural language processing (NLP) tools. Designed and deployed AI-based assistants and chatbots using Python, Transformers, and Flask. Strong understanding of LLMs, recommendation systems, data pipelines, and model evaluation. Adept at software design, prompt engineering, and delivering client-focused AI solutions. Fast learner with excellent communication skills and a passion for solving real-world problems through innovation.

EDUCATION

Delhi Skill and Entrepreneurship University - Dwarka Campus

Professional Certificate in Artificial Intelligence & Machine Learning

- Focus: ML, DL, NLP, Computer Vision
- Tools: Python, TensorFlow, Scikit-learn, Hugging Face Transformers
- Projects: Chatbot, Recommendation Engine, Voice Assistant, Data Pipeline

NIOS - Senior Secondary Education

Completed: May 2025

Subjects: Physics, Chemistry, Mathematics,

Computer Science

PROFESSIONAL EXPERIENCE

AI Developer - Personal Projects

Jan 2025

Project: JARVIS - Voice-Activated AI Assistant

- Built a voice-controlled personal assistant using Python, integrating NLP and speech-to-text libraries (SpeechRecognition, pyttsx3, Transformers)
- Achieved 90%+ accuracy in interpreting commands across 100+ voice inputs
- Integrated APIs for real-time automation, including system control and task execution
- Implemented LLM features for dynamic response generation and natural dialogue

Project: Auto-Reply Chatbot Web App

- Developed a web-based NLP chatbot using Flask, NLTK, and Transformers to automatically respond to user queries
- Trained on 500+ intent-response mappings with 88% response accuracy
- Deployed using lightweight REST APIs with structured logging and modular pipeline

SKILLS

Technical Skills

- Languages: Python (Advanced), R (Beginner), SQL
- Frameworks & Tools: TensorFlow, Scikit-learn, Flask, NLTK, Transformers, Pandas, NumPy
- Generative AI & LLMs: ChatGPT, Google GenAI, DALL-E, Prompt Engineering
- Data Engineering: ETL (basic), Data Pipelines, APIs, JSON/CSV ingestion
- Cloud & DevOps: Google Cloud Platform (in progress), Git, Docker (basics), VS Code
- Visualization: Matplotlib, Seaborn, Streamlit

Soft Skills & Professional Strengths

- Strong verbal and written communication
- Effective in explaining AI/ML to non-technical audiences
- Team collaboration using Agile methods (Trello, Notion)
- Problem-solving mindset with continuous learning approach
- Willingness to travel up to 30% for client or team engagement

Certifications & Learning Path

- Google Cloud AI & ML - Foundational Track (In Progress)
- Deep Learning Specialization - Andrew Ng (Coursera)
- Ongoing contributions on GitHub and AI community forums