Samson Dandin

Aspiring AI/ML Engineer | Deep Learning Enthusiast | Computer Vision Developer | N

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SUMMARY

Passionate AI/ML engineering undergraduate student with proficiency in Python, Ten
OpenCV, and HuggingFace. Experienced in developing deployable AI tools used by
users. Strong foundation in machine learning fundamentals and real-world application
development.

SKILLS

Languages: Python, Java, C, SQL
Frameworks: TensorFlow, Keras, HuggingFace Transformers
Libraries: OpenCV, Scikit-learn, Pandas, NumPy
Tools: Git, Google Colab, Jupyter, VSCode, Docker
Concepts: CNNs, RAG, LLMs, Model Deployment

EDUCATION

B.E. in Artificial Intelligence and Machine Learning   2022 – 2026
SDM College of Engineering and Technology, Dharwad

Senior Secondary (CBSE), Science Stream   2010 – 2022
Kendriya Vidyalaya, Dharwad

PROJECTS

Sign Language Interpreter   Mar – Jun 2025
• Designed a CNN-based gesture recognition model with OpenCV, reducing classifi
  error by 22%.
• Integrated Zoom and TTS APIs, enabling 20+ live gesture-to-speech interactions.
• Achieved 88% accuracy across 50+ real-time user trials.

Summify: AI YouTube Summarizer   Nov 2024 – Jan 2025
• Built an LLM-based summarizer using HuggingFace Transformers and Flask;
  processed 50+ videos.
• Reduced content length by 78% while retaining key points, improving viewer
  comprehension.
• Added question-answering module, increasing user interaction by 60%.

ACADEMIC ROLES

Computer Vision Developer – Sign Language Project   Mar – Jun 2025
• Led model training and gesture detection logic, reducing latency by 30%.
• Integrated end-to-end inference pipeline across Zoom API and speech modules.

LLM Workflow Designer – Summify Project   Nov 2024 – Jan 2025
• Developed NLP logic with HuggingFace pipelines, enhancing summary clarity.
• Deployed app backend and APIs for smoother cross-platform usage.

CERTIFICATIONS