

# Samson Dandin

Aspiring AI/ML Engineer

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## Summary

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

## Education

- 2022–2026 **B.E. in Artificial Intelligence and Machine Learning**, SDM College of Engineering and Technology, Dharwad
- 2010–2022 **Senior Secondary (CBSE), Science Stream**, Kendriya Vidyalaya, Dharwad

## Technical Skills

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

## Projects

- Mar–Jun 2025 **Sign Language Interpreter, Computer Vision Project**
  - Designed a CNN-based gesture recognition model with OpenCV, reducing classification error by 22%.
  - Integrated Zoom and TTS APIs, enabling 20+ live gesture-to-speech interactions.
  - Achieved 88% accuracy.
- Nov 2024–Jan 2025 **Summify: AI YouTube Summarizer, NLP Project**
  - Built an LLM-based summarizer using Hugging Face 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%.

## Certifications

- 2025 **Oracle Cloud AI Foundations Associate, Oracle**
- 2025 **Cloud Technologies, Infosys Springboard**
- 2024 **Explore ML with Python, Infosys Springboard**
- 2024 **Programming in Java, Infosys Springboard**

## Achievements

- Cultural Winner of multiple Street Play competitions.
- Community Led 3+ blood donation and health awareness drives, reaching over 300 people in collaboration with Dandin Trust, Indian Cancer Society, and ASER organization.