Aravind Seelam

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SKILLS

- **Languages**: Python, C, C++, Java
- **AI/ML & GenAI**: Machine Learning, Deep Learning, NLP, Computer Vision
- **Frameworks & Tools**: PyTorch, TensorFlow, Scikit-Learn, HuggingFace
- **Soft Skills**: Adaptability, Problem-Solving Skills, Quick Learning, Project Management, Leadership

PROJECTS

- **HandKart – ML Based Hand Gesture Controller for Gaming | Git**: October 2025
  - Designed and implemented a contactless, real-time game control system using webcam-based hand gesture recognition
  - Improved multi-action gesture classification accuracy through hand landmark tracking and feature engineering (normalization, geometry-based features, temporal smoothing)
  - **Tech stack used** Python, MediaPipe, OpenCV, NumPy, Computer Vision, Real-Time Processing, GitHub

- **Seed Quality Analysis (ML + Computer Vision) | Git | Streamlit**: August 2025
  - Built an automated computer vision system to classify corn seeds into High, Medium, and Low quality, replacing manual inspection with accurate deep learning–based analysis
  - Engineered and optimized a MobileNetV2 transfer learning model with custom Dense and Dropout layers to automate feature extraction and reduce overfitting
  - **Tech Stack & Deployment:** Python, TensorFlow, Keras, Streamlit, Pandas, Altair, Deep Learning, Streamlit Community Cloud

TRAINING

- **Advance Data Structure | Link**: June 2025 – July 2025
  - Strengthened expertise in advanced data structures and algorithmic problem solving
  - Improved efficiency through complexity analysis and optimization techniques.
  - Translated algorithmic concepts into scalable, production-ready code

CERTIFICATES

- Master Generative AI and Generative Tools – Udemy — December 2025
- Build Generative AI Apps and Solutions – Udemy — November 2025
- Computer Communications – Coursera — November 2024
- Network Communications – Coursera — October 2024
- Hardware and Operating Systems – Coursera — September 2024

EDUCATION

- **Lovely Professional University** — Phagwara, Punjab
  Bachelor of Technology - Computer Science and Engineering; CGPA: 6.21 — *August 2023 - Present*

- **Race Junior College** — Kurnool, Andhra Pradesh
  Intermediate; Percentage: 76% — *April 2021 - March 2023*

- **De Paul High School** — Kurnool, Andhra Pradesh
  Matriculation; Percentage: 99% — *April 2020 - March 2021*