Arirama Selvam M

Thoothukudi, Tamil Nadu
ariofficial9787@gmail.com — +91 97874 52790
GitHub — Portfolio — LinkedIn

Professional Summary

Aspiring Full Stack Developer and Computer Science Engineer with a strong foundation in Medical AI, Networking, and Linux Administration. Experienced in building robust clinical tools using Python, TensorFlow, and Streamlit. Published researcher in Deep Learning. Continuously sharpening problem-solving and technical skills through platforms like HackerRank and TryHackMe. Passionate about automating verification and diagnostic workflows.

Education

B.E. Computer Science and Engineering 2022 – Present
Dr. G.U. Pope College of Engineering, Thoothukudi

Technical Skills

- **Full Stack**: HTML5, CSS3, JavaScript, Firebase
- **Backend**: Python, MySQL, Streamlit
- **Systems**: Linux Administration, Shell Scripting
- **Networking**: CCNA , Packet Tracer,Wireshark
- **Tools**: Git, GitHub, VS Code, Termux
- **Other**: Problem Solving, OCR, Web Scraping,Aws(basic)

Projects

- **E-Commerce Inventory Management System** – Responsive web app featuring real-time inventory tracking, billing, and role-based administration.
  Tech: HTML5, CSS3, JavaScript, Firebase
  Live: View — GitHub: Code
- **AI-Powered Polyp Detection & Analysis Portal** – Clinical tool for early colorectal polyp detection using dual-model intelligence (Classification + U-Net Segmentation).
  Tech: TensorFlow, Keras, Streamlit, OpenCV, Python
  Live: View — GitHub: Code
- **Document Verification System** – Verification app for marksheets using QR scanning, Web Scraping, and OCR. Provides confidence scoring and field-by-field authenticity comparison.
  Tech: Python, Streamlit, Tesseract OCR, OpenCV, BeautifulSoup
  Live: View — GitHub: Code
- **Python-Based Linux & Termux Automation** – CLI tool designed for automated system updates and utility management across Linux and Termux environments.
  Tech: Python, Linux, Shell
  GitHub: Code

Publications & Conferences

- **Journal Publication**: "A Multimodal Deep Learning Framework for Early Detection of Parkinson's Disease," *International Journal of Engineering Applied Science and Management (IJEASM)*, Vol. 7 Issue 4, April 2026. ISSN: 2582-6948.
- **Conference Presentation**: Presented "Automated Gastrointestinal Disease Prediction using Deep Learning" at the *5th International Conference on Intelligent Computing and Communication Technology (ICCT'26)*, Jayaraj Annapackiam C.S.I. College of Engineering, March 2026.

Certifications

- SQL (Advanced) – HackerRank
- Python – EduPrep & Pantech
- Problem Solving – HackerRank
- Cybersecurity – Novitech & Corizo

Languages & Achievements

- English (Fluent),
- Tamil (Native)
- 1st Prize – Technical Quiz
- TryHackMe: Linux & Networking