THIYAGARAJAN A

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Profile

As an AI Model Developer and Full Stack Developer, I specialize in creating advanced machine learning models, particularly in deep learning and predictive analytics. I have expertise in end-to-end development from designing efficient algorithms to implementing full-stack solutions that integrate front-end interfaces with robust back-end systems.

Education

Bachelor of Technology in Artificial Intelligence and Machine Learning 2022 – 2026
Saveetha Engineering College, Chennai
CGPA: 8.145/10

T.M.H.N.U.M.H.S.S
10th: 93.4% 12th: 89.7%

Technical Skills

Programming Languages	C, Python, Java, HTML, CSS, JavaScript, SQL
Machine Learning / AI	Deep Learning, Predictive Analytics, Model Development, Computer Vision, NLP
Frameworks & Libraries	TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Seaborn
Tools & Platforms	Git / GitHub, VS Code, Google Colab, Jupyter Notebook
AI Concepts	Data Preprocessing, Model Optimization, Hyperparameter Tuning, Evaluation Metrics

Projects & Internship

Kidney Tumor Detection in Medical Image Processing Sept 2024 – Nov 2024
Mini Project | Saveetha Engineering College

- Implemented image preprocessing and CNN-based classification to detect kidney tumors from medical images.
- Analyzed model performance using accuracy and recall metrics to optimize detection reliability.

Mobile Application Development Intern June 2024 – July 2024
National Small Industries Corporation (NSIC) | Arjun Vision Tech, Chennai

- Developed and tested mobile applications as part of a team internship.
- Focused on Android development fundamentals and UI/UX optimization.

Certifications

- Interactivity with javascript - Coursera
- Introduction to Deep Learning - Infosys
- Basics of Python - Infosys

Achievements

- Secured **First Prize** in IIT Madras Shaastra Techathon 2024.