



VINAYAGAM A

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Summary

Looking for an **AI Job with an M. Tech** in Digital Image Computing and **7+ years of professional programming experience** in Web Development. Skilled in deep learning, computer vision, and generative AI using Python, TensorFlow, and PyTorch. Possess strong problem-solving abilities, experience with real-world application development, and a passion for transitioning into AI model research, development, and deployment.

Skills

Python

Java

PyTorch

TensorFlow

Keras

scikit-learn

OpenCV

NumPy

Pandas

Matplotlib

Torchvision

Machine Learning

Deep Learning

CNNs

Transformers

Stable Diffusion

ControlNet

Hugging Face Diffusers

LoRA Fine-tuning

Prompt Engineering

Image Processing

Feature Extraction

Segmentation

Data Augmentation

Hyperparameter Tuning

Transfer Learning

GPU Training

FastAPI

REST APIs

Model Serialization (.pt, .pth, safetensors)

Angular

JavaScript/Typescript

TailwindCSS

Bootstrap

HTML5 and CSS3

SQL (MySQL/PostgreSQL)

NoSQL (MongoDB)

Git

GitHub

Jupyter Notebook

Colab

Kaggle

Linux

Education

University of Kerala

M. Tech - Computer Science Specialization in Digital Image Computing - Artificial Intelligence

Jul 2026

Trivandrum, Kerala

Key Subjects Machine Learning, Deep Learning, Natural Language Processing, And Computer Vision

Experience

Aptara Learning Pvt. Ltd.

Senior Programmer

Mar 2013 - Aug 2024

Trivandrum

- Frontend programmer with 7+ years of professional web development experience delivering clean, optimized, and user- focused application features.
- Strong problem-solving mindset, experience working in agile teams, and proven ability to quickly learn and implement new technologies - now transitioning into AI engineering roles.