

Fundamentals of AI
Exploring DNN Architectures
Git and Python Essentials
Building the First Neural Networks
Introduction to PyTorch
Backpropagation and Advanced DNI
In-Depth Coding Practice
Batch Normalization, Regularizatio

Batch normalization, regularizatio Advanced Convolutions Residual Connections in CNNs Class Activation Maps, LRs, Optimizer PyTorch Lightning and MLOPs Fraining and Scaling on AWS in budg

## THE SCHOOL OF AI

DEEP VISION



Introduction to Transformers
Transformer Architectures
BERT, GPT and VIT
UNETS, Variational Autoencoders
CLIP Models and Training
Generative Art and Stable Diffusion
GPT and Beyond
Training Transformer from Scratch
Reinforcement Learning Part I
Reinforcement Learning Part II
RLHF and DPC
ORA, Quantization, and Fine Tuning
Training ChatGPT from Scratch
Capstone Projects

## **CERTIFICATE OF PARTICIPATION**

IS PRESENTED TO

## Sivakumar Rajendran

FOR PARTICIPATING IN THE **EXTENSIVE & REIMAGINED AI (ERA-V2) PROGRAM 2024** 

ROHAN SHRAVAN

COURSE GUIDE



