

Ravi Kiran Pandi

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Training and Internship

Summer Training

June 2024 - Aug 2024

CSE Pathshala

- **Project Overview:** Built an E-Commerce platform using the MERN stack with features like user authentication, product management, and order processing.
- users can browse products, add them to their cart, and complete purchases through an integrated payment gateway.
- **Tech stacks used:** MongoDB, Express.js, React.js, Node.js

Projects

ComfyUI-Based AI Image Generation | Generative AI, Deep Learning

Jan 2025 - March 2025

- Developed an AI-powered image generation system using **ComfyUI** and **LoRA** tuning.
- Integrated **Stable Diffusion XL (SDXL)** models with **custom VAE** and **LoRA fine-tuning** for enhanced image quality.
- Built an **API-based backend** with FastAPI, allowing **seamless image generation via RESTful requests**, supporting **batch processing**.
- **Tech:** Python, PyTorch, ComfyUI, SDXL, LoRA, FastAPI, Streamlit, WebSockets

Algorithmic Trading and Stock Market Prediction | Deep Learning

Dec 2023 - April 2024

- Developed an algorithmic trading model using **LSTM/RNN networks** to predict stock trends.
- Achieved R2-score of 0.85 in trend prediction using attention enhanced Bi-LSTM model.
- **Tech:** Python, TensorFlow, Keras, Pandas, NumPy, Scikit-Learn

Certificates

Cloud Computing - NPTEL

July 2024 - Oct 2024

NPTEL

Generative AI with Large Language Models

Feb 2023 - April 2024

Coursera

Technical Skills

Languages: Python, C, C++, SQL, JavaScript

Technologies/Frameworks: TensorFlow, PyTorch, ComfyUI, FastAPI, Streamlit, OpenCV, Scikit-Learn, Pandas, NumPy

Skills: Generative AI, Machine Learning, Deep Learning, Data Processing, Computer Vision, Model Optimization, Checkpoints & LoRAs, WebSockets, RESTful APIs

Soft Skills: Problem-Solving, Critical Thinking, Adaptability, Teamwork

Education

Lovely Professional University Punjab

2022 – 2026

Computer Science and Engineering — CGPA: 7.50

Jalandhar, Punjab

Sri Chaitanya Junior College

2019 – 2021

12th with science — Percentage: 93.3%

Visakhapatnam, Andhra Pradesh

Jawahar Navodaya Vidyalaya

2018 – 2019

10th with science — Percentage: 88.6%

Srikakulam, Andhra Pradesh