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ISTRUZIONE

Università di Pisa - Ingegneria informatica

settembre 2019 - giugno 2023

Laurea con votazione di 102/110.

Università di Pisa - Artificial Intelligence and Data Engineering (AIDE)

Settembre 2024 - In corso

Al momento con media ponderata di 27.38.

PROGETTI

Genre-Prediction-Model

training of different models for predicting a specific music genre given some features

Pluma

PoC for converting handwritten notes to digital formats (LaTeX, Markdown, Plain Text) and enhancing notes through Gemini APIs.

WatchParty-a-Large-Scale-and-multiDatabase-Project

WebApp implementation using NoSQL DB as Neo4j and MongoDB with SpringBoot Java Iteration.

MTL-LoRA-Medical Chatbot

This project aims to develop a medical assistant by fine-tuning the 1 billion parameter LLaMA model using LoRA and MTL-LoRA techniques.

IR-Daat-Taata-improvements

An information retrieval project aiming to improving the performance of Daat and Taat

COMPETENZE

Machine learning

Deep Learning & LLM

C, C++, java, python

Cloud computing

Information Retrieval system

Quantum Computing

LINGUE

Italiano

Inglese

Gardner 5x5 Minichess Engine

A minimal yet complete implementation of Monte Carlo Tree Search (MCTS) combined with a lightweight convolutional value network trained through self-play reinforcement learning

Quantum Emitters and Nano Light-Matter Interfaces

Explored the technological transition from fundamental research in quantum photonics (e.g., single-photon sources, NV centers, and graphene-based sensors) to real-world applications