

Ingenieurspraxis, Forschungspraxis, Master's Thesis, Bachelor's Thesis

Securing Audio with AI and Blockchain: A Study of Digital Watermarking Techniques

Description:

This thesis project will examine the integration of artificial intelligence (AI) and blockchain technology for digital watermarking of **audio**. Digital watermarking is a technique used to embed hidden information, such as ownership or copyright information, into digital audio files. The goal of this project is to develop new AI-based techniques for digital watermarking that can be secured and protected using blockchain technology.

Prerequisites:

- Strong background in signal processing and digital audio
- Familiarity with machine learning and AI techniques
- Basic understanding of blockchain technology and its applications
- Experience with programming languages such as Python and JavaScript
- Strong analytical and problem-solving skills
- Strong written and verbal communication skills

This project is an exciting opportunity to work at the intersection of AI and blockchain, where you will have the chance to apply your skills and knowledge to the development of new technologies that could have a significant impact on the audio industry. You will be working with an innovative startup in the heart of Silicon Valley, where you will have the opportunity to contribute to the development of cutting-edge technology. If you are passionate about AI, blockchain, and signal processing and are looking for a challenging and rewarding research experience, this thesis project is for you!

Please send your CV and Transcript of Records. Tell me why you are interested in this topic:

Contact

tamay@sureel.io

Advisors

Eckehard Steinbach
Dr.-Ing. Tamay Aykut (Sureel)