



# Master Thesis

## Various Topics related to Blockchain Protocols

### 1. General Information

One of the main objectives in Blockchain applications is to autonomously establish decentralized consensus in an untrusted environment by means of cryptography. The blockchain is an ordered and immutable ledger, which is available at any point in time.

The blockchain technology has application areas ranging from the pharma and chemical sector to cryptocurrencies.

### 2. Tasks

We provide different topics covering both theoretical concepts of Blockchains and the implementation of interesting use cases.

### 3. Required Skills

The required skills depend on the topics but include:

- Knowledge in Blockchain protocols.
- Very good skills in cryptography
- Strong programming skills in Java.
- Strong mathematical skills.
- Experience in the design of graphical user interfaces.
- Experience with BouncyCastle.

Knowledge of the English language is required to get along with the technical literature.

### 4. Contact

If you are interested, please contact

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