



# Kassahun Melaku

Fullstack Developer and  
Cryptographic researcher

## CONTACT ME

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## EDUCATION

**Bsc in Computer Science** August 2022  
**Bahirdar university**  
CGPA 3.72

**Electronics maintenance** November 2021  
**Hello technology Institute**

## SKILLS

### Technical skills

- HTML,CSS, JS
- ReactJS
- NodeJS
- Bootstrap
- React native
- mongoDB, mySQL

### Soft skills

- Problem solving
- Risk management
- ability to work independently
- Ability to work within deadline

## LANGUAGES

- English (speak, listen, read and write)
- Amharic (speak, listen, read and write)

## CERTIFICATE

- Google cyber security
- Computer maintenance and networking
- Secured web development

## About me

A professional fullstack developer with ReactJS and NodeJS for the past 3 years and cryptographic researcher at Information Network Security Administration (INSA).

## work experience

### Cryptographic researcher

**Ethiopia Information Network Security Administration (INSA)** 2022-current

I am working research on the different cyber attacks facing our country and the security mechanisms for them. Basically I am working on how to achieve security/confidentiality, integrity, authentication and non reputation of the information by cryptography

### Internship

**Bahirdar university**

I worked as an intern in bahirdar institute of technology ICT and maintenance office. I have acquired practical experience like computer maintenance, network cabling, installation and switch configuration.

### Full-stack development

I am using the emerging tools like frontend with **ReactJS**, state management with **Redux** and backend development with **NodeJS**. I also use mongoDB and mySQL as database management system. I develop websites based on modern interfaces.

## Projects

### Online supermarket

Web based online e-commerce website developed with React and NodeJS. The website is developed for for Abay and tana supper market found in Bahirdar.The website enables merchants to sell and customers to buy goods and commodities from the supermarket with out going in person. The website has online payment and delivery system.

### Social media app

Social media website developed with ReactJS, NodeJS and mySQL database. it enables user to chat with thier friends, see and post feeds.

### Information encryption/decryption with Advanced encryption algorithm for Information Network Security Administration (INSA)

I have developed information encryption system for data transfer and storage to assure confidentiality of the information with my teammate. The system is developed by implementing the most secured and relatively efficient algorithm which is standardized by American national institute of standard and technology