**Abreham Nigus** *Software developer*

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# Profile

## Abreham Nigus Tesfa

*Full-Stack Developer | junior Data engineer*

Proficient in designing modern web applications using **MERN stack** (MySQL, Express.js, React, Node.js) and hands-on experience in data warehousing, big data processing, and real-time analytics. Skilled in Python, Apache Kafka, Spark, PostgreSQL, and data visualization tools such as Power BI and Grafana. Passionate about building scalable data-driven solutions and continuously learning new technologies

# Education

2023 – Present

Addis Ababa, Ethiopia

## Bachelor of Science in Software Engineering

*Addis Ababa Institute of Technology*

# Professional Experience

## 2025 Big Data & Data Engineering Intern

*Information Network Security Administration (INSA)*

* Contributed to big data infrastructure setup and data engineering workflows.
* Worked with technologies such as Apache Kafka, Spark, HDFS, and PostgreSQL for real-time and batch data processing.
* Assisted in designing ETL pipelines and managing large-scale data storage systems.
* Gained hands-on experience in distributed systems and scalable data solutions.

2025 **Freelance**

*Web developer*

* Designed and developed responsive websites and applications using **React.js, Node.js, and Express.js**
* Built scalable and maintainable solutions, ensuring clean architecture and performance optimization.
* Collaborated with clients to gather requirements and deliver tailored web solutions.
* Integrated APIs and databases to support dynamic, data-driven applications.

# Skills

## Front-end web development

 HTML/CSS/Tailwind CSS  JavaScript

 React

## Back-end & Other Languages

* Python
* Node.js, Express.js
* SQL (PostgreSQL, MySQL)

## Tools

 Git & Github

 Firebase

 Webpack, Vite

## Big Data & Data Engineering

* Apache Kafka, Apache Spark
* Hadoop (HDFS, Hive)
* ETL pipeline design & data warehousing
* Data visualization (Power BI, Grafana)

# Projects

## present Big Data Fraud Detection System | Scalable Data Pipeline

*Apache Spark, Hadoop, Python, Machine Learning*

* + - * Built a fraud detection system analyzing large-scale transaction patterns.
      * Designed real-time detection pipelines to flag suspicious activities.

2025 **Amazon Clone | Fullstack E-Commerce Platform**  
 *React, Express, Firebase, Chapa*

* Built a full-featured Amazon clone with React frontend and Express backend.
* Integrated Firebase for authentication and database management.
* Implemented secure online payments using Chapa.

## 2024 Bitcoin Real-Time Dashboard | Data Analytics

*React, Node.js, D3.js, WebSocket API*

* Built an interactive dashboard for monitoring Bitcoin prices in real time.
* Added historical data analysis, trend visualization, and predictive features.

## 2024 E-Commerce Website | Frontend Development

*HTML, CSS, Bootstrap, JavaScript*

* Designed and developed a responsive e-commerce website with product listings, shopping cart, and checkout integration

2025 **Boss Electronics Website | Frontend Development**  
 *React, CSS, JavaScript*

* Created a corporate website to showcase Boss Electronics’ products and brand mission.

**2025 Rehoboth International Athletics Website | Frontend Development**  
  *React, CSS, JavaScript*

* Built a professional site highlighting elite athletes and agency mission, designed for trust and global representation.

**2024 Apple Website Clone | Fullstack Development**  
 *React, Node.js, MySQL, CSS*

* Recreated Apple’s official website with responsive design, animations, and database-backed content.

**2024 Small Restaurant Website | Frontend Development**  
*React, HTML, CSS, JavaScript*

* Developed a responsive restaurant site with interactive digital menu and reservation form.

**2025 Netflix Clone | Fullstack Entertainment Platform**  
 *React, TMDB API, Firebase, CSS*

* Built a Netflix clone with movie listings, trailers, and user authentication.
* Integrated TMDB API for dynamic movie data.