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

Tools ● ● ● ● ○
- Git & Github
- Firebase
- Webpack, Vite

Back-end & Other Languages ● ● ● ○ ○
- Python
- Node.js, Express.js
- SQL (PostgreSQL, MySQL)

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.

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