



## Fseha Hagos Gebrekidan

**Passport:** EQ1598377 **Nationality:** Ethiopian **Date of birth:** 21 Mar 2001

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**Home:** Mekelle, Quiha, Mekelle (Ethiopia)

### ABOUT ME

As a Software Engineering graduate from Mekelle University with a **3.86/4.00 CGPA**, I have built a solid foundation in software engineering, full-stack development, and data-driven technologies. My academic background and practical experience have inspired a strong interest in artificial intelligence, machine learning, and data science. I am pursuing a Master's degree to expand my research skills, collaborate with leading researchers, and contribute to innovative solutions that address real-world challenges. My long-term goal is to become a researcher and technology leader who develops intelligent systems that create meaningful social and economic impact.

### EDUCATION AND TRAINING

#### Bachelor of Science (B.Sc)

**Mekelle University** [ 1 Sep 2019 – 26 Jun 2026 ]

**City:** Mekelle | **Country:** Ethiopia | **Field(s) of study:** Software Engineering

#### BACHELOR'S THESIS

[ 1 Feb 2026 – 30 May 2026 ]

##### **SkillSync: AI-Powered Personalized Career Guidance Platform**

Developed a full-stack AI-powered web application that assists job seekers with resume optimization, interview preparation, automated cover letter generation, and personalized job recommendations. Built using **Next.js, React, TypeScript, PostgreSQL, Prisma, Clerk Authentication, and Google Gemini API** to provide intelligent, real-time career guidance.

### RELEVANT COURSES - B.SC. IN SOFTWARE ENGINEERING

#### Relevant courses completed during my B.Sc. in Software Engineering

- Artificial intelligent
- Machine Learning
- Data Science

### INTERNSHIP

[ 1 Jan 2025 – 20 May 2025 ]

#### Software Developer Intern

##### Achievements

- Assisted in the development and maintenance of web applications using modern software development practices.
- Collaborated with developers to implement new features and resolve software issues.

- Participated in testing, debugging, and improving application performance.
- Worked with Git for version control and team collaboration.
- Gained practical experience in the software development lifecycle and Agile development.

## UNDERGRADUATE RESEARCH PROJECT

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[ 10 Feb 2026 – 20 Mar 2026 ]

### Exchange Rate Trend Analysis (ETB → USD) | Research Project

Conducted a research-based project analyzing historical Ethiopian Birr (ETB) to US Dollar (USD) exchange rate trends using Python. Processed and visualized financial data with **Pandas** and **Matplotlib** to identify long-term trends, volatility, and economic patterns. The research provided insights into currency fluctuations and their potential implications for investors, businesses, and policymakers.

## SKILLS

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### Technical Skill

Programming Languages: Python, Java, JavaScript, TypeScript / Web Development: React, Next.js, React Native, Node.js, Express.js, HTML5, CSS3, Tailwind CSS / Database Management: PostgreSQL, MySQL, Firebase Firestore / Data Analysis & Visualization: Pandas, Matplotlib, NumPy / Tools & Platforms: Git, GitHub, Docker, VS Code, Postman, Prisma ORM / Artificial Intelligence & APIs: Google Gemini API, RESTful APIs / Cloud & Authentication: Vercel, Firebase, Clerk Authentication

### Soft Skill

Analytical & Critical Thinking / Communication / Problem Solving / Research & Data Analysis / Leadership / Time Management / Team Collaboration

## CERTIFICATIONS

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[ Thomas More University, Belgium, 24 Mar 2026 ]

### COIL Data Science and Entrepreneurship

- Completed an international training program in data analysis and entrepreneurship.
- Utilized **Python, Pandas, and Matplotlib** for data analysis and visualization.
- Collaborated in multicultural teams to solve real-world, data-driven challenges.
- Enhanced research, analytical, and entrepreneurial skills through project-based learning.

**Mode of learning:** Online

## LANGUAGE SKILLS

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**Mother tongue(s):** Tigrigna | Amharic

**Other language(s):**

**English**

**LISTENING B2 READING B2 SPOKEN PRODUCTION C1**

**SPOKEN INTERACTION B2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## RECOMMENDATIONS

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**Name: Ins. Selama Gebremeskel** | Head, Postgraduate and Research Chair

Head of the software Engineering Program

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