

# Selam Habtewold Gebremariam

Rajkot Gujarat, India • selamhatsh09@gmail.com

## EDUCATION

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### Marwadi University, Rajkot Gujarat, India

#### **Bachelor in Technology: Computer Engineering**

Expected May 2025

- Study In India (SII) Full Scholarship Recipient (2021 - 2025): Awarded a full four-year undergraduate degree program scholarship.
- GPA: 8.71

### Lebawi International Academy, Addis Ababa, Ethiopia

#### **Highschool Diploma**

Aug 2020

## ACADEMIC PROJECTS:

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### Ovarian Cancer Detection (Junior Project)

- The project integrates a machine learning model into a web platform, enabling accessible, user-friendly predictions based on individual input data.
- A conference paper titled "*Ensemble Machine Learning Techniques for Ovarian Cancer Detection: A Comparative Study*" was authored as part of this project.

### Study Buddy Web App (Senior Project)

- A collaborative platform for students to study together through group chats, real-time meetings, and file sharing.
- Features course enrollment, quizzes, and discussion tools to aid exam preparation, including GATE.
- Supports real-time collaboration for interactive learning and knowledge sharing.

## EXPERIENCE:

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### Summer Research Internship Training (SRIT)

#### **Marwadi University, Rajkot, India** May 2024 – Jul 2024

- Conducted research on speaker accent recognition, focusing on predicting a speaker's dialect from audio signals.
- Project objectives included:
  - Investigating variations in accents
  - Evaluating machine learning techniques for accent detection
  - Developing and refining accent recognition models
- Authored a research paper titled "*Enhancing Speaker Accent Recognition: MFCC Feature Extraction and Machine Learning with Hyperparameter Tuning.*"

### Content Writer and Editor

#### **Content Hammering, Rajkot India**

Feb 2023 – Aug 2023

- Created engaging, SEO-optimized content across diverse projects.

### Web Developer and Designer

#### **Intern at Internsavy, India**

Jun 2023 – Jul 2023

- Developed various web projects, progressing from basic to advanced levels.
- Completed three basic, one intermediate, and one advanced project within a month, focusing primarily on front-end development.
- Gained proficiency in HTML, CSS, JavaScript, and API integration.

## PUBLICATIONS

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- **Enhanced Speaker Accent Classification: An Experimental Study of Diverse Machine Learning Methods**
  - Presented at the International Conference of Intelligence Systems and Computational Networks (ICISCN-2025)
- **Ensemble Machine Learning Techniques for Ovarian Cancer Detection: A Comparative Study**
  - Submitted, and currently under review.

## INVOLVEMENT

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### Frontier Tech Leaders Programme - Machine Learning Bootcamp #3, Turkey

Participant

Jul 2024 - Present

- Online Program organized by Istanbul International Center for Private Sector in Development (IICPSD), United Nations Development Programme (UNDP)
- Completed five specializations in Python programming and three specializations in machine learning.
- Conducted a capstone project titled "AI-Driven Landslide Susceptibility Prediction for Early Risk Mitigation" with a focus on leveraging predictive analytics for disaster risk reduction.

### Research Activities Club (RAC), Marwadi University, India

Founding Member | Active Participant

Aug 2023 - Present

- Student research assistant

### Robotics Club, Marwadi University, India

Active Member

Feb 2023 - Present

### Her Tech Sprint, Marwadi University, India

Participant | Finalist

Sep 2024

- Competed among 100+ women in a rigorous tech competition featuring coding challenges and technical interview rounds, advancing through all stages to secure a spot in the Top 10 finalists.

### Tech Games 2024, Marwadi University

Participant

Oct 2024

### MU X Postman API Challenge 2024, Marwadi University, India

Participant | Team Project

Oct 2024

- Developed an LSTM-based stock market prediction model using Yahoo Finance data, forecasting the next day's prices. The model was integrated into a web platform for real-time user access.

### Volunteer, Suvidha Foundation

content writer

May 2023 - June 2023

### Ethiopian community in Marwadi

Treasure

Sep 2023 – Aug 2023

### Africa Day Celebration, Lebawi International Academy, Ethiopia

Active Participant | Fashion Show

May 2019

### Betasab Incorporate, Addis Ababa, Ethiopia

Volunteer

Jul 2018 – Sep 2018

- Provided tutoring support to children in an orphanage, focusing on their educational development and academic success.

### Summer School Experiential Learning Program, Lebawi International Academy, Ethiopia

Teaching Assistant

Jun 2018 – Aug 2018

- Teaching assistant in National Exam Preparation or Biology
- Special Education Assistant

### Betasab Incorporate, Addis Ababa, Ethiopia

Volunteer

Jul 2018 – Sep 2018

- Provided tutoring support to children in an orphanage, focusing on their educational development and academic success.

CERTIFICATES

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<b>Marwadi University X Postman API Challenge 2024</b> <i>Marwadi University</i>	<i>Oct 2024</i>
<b>Summer Research Internship Trainee</b> <i>Marwadi University</i>	<i>Jul 2024</i>
<b>AWS Academy Graduate - AWS Academy Cloud Foundations</b> <i>AWS Academy, Coursera</i>	<i>Oct 2023</i>
<b>Intellify Hackathon 1.0: Smart Home Automation Project</b> <i>Marwadi University</i>	<i>Apr 2023</i> <i>Mar 2023</i>
<b>NDG Linux Essentials</b> <i>Cisco Networking Academy</i>	

LANGUAGES

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Amharic, Mother tongue  
English, Fluent

HOBBIES

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\_ Reading books   \_art/painting   \_videography   \_Hiking   \_photography   \_listening to music