

# ANTENEH GETACHEW

## Computer Engineer

Computer Engineering graduate passionate about computer technologies with experience in Machine Learning, Data Science, and Web Development. Have good communication skills and love working in a team. Eager to join your company to build more innovative technological solutions with you.

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Addis Ababa, Ethiopia

abiget.github.io/

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## EDUCATION

### BS Degree in Electrical Engineering(Computer Engineering Focus)

Addis Ababa Science and Technology University

09/2016 - 09/2021

CGPA: 3.73

### MS Degree in Computer Engineering

Addis Ababa Science and Technology University

04/2019 - 04/2022

CGPA: 3.86

## WORK EXPERIENCE

### Machine Learning Researcher

Chapa Financial Technologies S.C

04/2021 - 08/2021

Addis Ababa, Ethiopia

#### Achievements/Tasks

- Worked on a research project to mitigate the non-performing loans of private banks in Ethiopia using Machine Learning.
- We worked with Python libraries such as Scikit learn, used Tensorflow/Keras and Pytorch frameworks, with a team of three researchers.
- Explored machine learning techniques for credit scoring and fraud detection.

Contact : Israel Goytom - israel@chapa.co

### Water Factory Management System Web App

Choice Water Factory

01/2021 - 04/2021

Addis Ababa, Ethiopia

#### Achievements/Tasks

- Built a website that manages the company's resources using PHP framework.
- Front-end using bootstrap framework.
- Design and deploy the database schema.

Contact : Amsalu Tadesse - +251909644343

## PUBLICATION

Machine Learning Models Evaluation and Feature Importance Analysis on NPL Dataset (08/2022)

<https://arxiv.org/abs/2209.09638>

## SKILLS

Python

Machine Learning and Data Science

Pytorch

PHP Programming

Symfony & Laravel

SQL

C & C++

JS, HTML & CSS

Java

Bootstrap

## PERSONAL PROJECTS

Parallel Implementation of Artificial Neural Network (05/2021 - 07/2021)

- Parallelize the serial implementation of Artificial Neural Network using c++ Pthread and Openmp frameworks to reduce the computation time.

Cyber-security risk analysis (03/2021 - 04/2021)

- Perform a cyber-security risk analysis on Bole sub-city administration datacenter using CORAS approach.

Networking Design (06/2021 - 07/2021)

- Design a network architecture for my previous university as part of Data communication and Networking course.

Image Reconstruction and Match finding (06/2021 - 09/2021)

- Finding matching photos from a given sketch picture using deep learning models and python programming.

## CERTIFICATES

Deep Learning Specialization

<https://www.coursera.org/account/accomplishments/specialization/certificate/4TBXQH4PM74X>

Python for Data Analysis & Visualization 2022

<https://www.udemy.com/certificate/UC-f5d84edb-e5f4-4fb7-a016-e76cbdac0325/>

Introduction to TensorFlow for AI, Machine Learning, and Deep Learning

<https://www.coursera.org/account/accomplishments/certificate/S48E5DCV386S>

Employability Skills and Job Readiness Training (09/2021)

It's a training delivered by Dereja in partnership with MasterCard Foundation and Addis Ababa Science and Technology University.

## LANGUAGES

Amharic

Native or Bilingual Proficiency

English

Full Professional Proficiency