


Ephrem Tibebe Mekonnen


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25/12/1996

CONTACT

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ABOUT ME

I am a second-year master's student in Computer Science at the University of Trento, Italy. Now, I am seeking a Summer School that allows me to learn and further develop my knowledge around the Machine and Deep Learning areas. I am a dedicated, organized, humble, eager to learn, and methodical individual. I have good interpersonal skills and am an excellent team worker.

WORK EXPERIENCE

10/07/2016 – 30/09/2016 – Addis Ababa, Ethiopia

Software developer Intern

Ethiopian Airlines

Developed fleet management system that helps to manage and dispatch vehicles of the company. The project was developed using ASP.NET MVC5.

29/09/2017 – 04/09/2019

Higher education teaching professional

Haramaya University

- deliver lectures, seminars, and tutorials
- design, prepare and develop courses and teaching materials
- support students through a pastoral or advisory role

Haramaya, Ethiopia

26/02/2021 – CURRENT – Trento, Italy

Research Intern

Fondazione Bruno Kessler - FBK

- Investigate and experiment neural network models based on sequence to sequence architectures, for either recognizing or classifying speech signals.
- Mainly, the internship focuses on end to end Automatic Speech Recognition(ASR)

EDUCATION AND TRAINING

12/09/2013 – 02/07/2017 – Addis Ababa, Ethiopia

BSc Degree in Computer Science

Addis Ababa University

GPA: 3.63 Major GPA: 3.66 | Motor pool management System for
Ethiopian Airlines | www.aau.edu.et

04/09/2019 – CURRENT – Trento, Italy

Master's in Computer Science

University of Trento

PROJECTS

21/02/2020 – 30/07/2020

Course Project: Quorum-Based Total Order Broadcast

- Implementing a protocol for the coordination of a group of replicas, sharing the same data, that tolerates multiple node failures thanks to a Quorum-based approach. The system handles update requests coming from external clients and guarantees all replicas apply the update in the same order. Updates are managed by a special replicas, the coordinator, following a two-phase broadcast procedure. If the coordinator crashes, a new one is elected to ensure continuity of service.
- It is coded in Java (Using Akka framework)

22/02/2020 – 28/05/2020

Deploying Web Application using Docker and Kubernetes

- Fog and Cloud Computing Class project.
- Deploying web application using docker and kubernetes to easily scale up/ down the web server as per the traffic, manage and leverage the benefits of both technologies.

Machine learning Projects

- Classification of Spam/Not Spam using Scikit-Learn
- Optical Character Recognizer(OCR)

-Aimed to demonstrate machine learning algorithms and techniques to implement OCR with high accuracy.

- House Price: Advanced Regression Technique from kaggle

** I have also taken deep learning courses from coursera and done the course projects along the way.**

30/09/2016 – 02/2017

Pharmacy Inventory Management System

- A desktop application that helps to register stocks, manage sells and purchases easily. It has well-implemented account management so that managers of the pharmacy can control what is going on and take efficient decisions accordingly. The application can also support different languages.

HONOURS AND AWARDS

09/09/2019

University of Trento Scholarship (Autumn 2019 -Present) – University of Trento

02/08/2020

The Cornell, Maryland, Max Planck Pre-doctoral Research School 2020 – The Cornell, Maryland, Max Planck Pre-doctoral Research School
Emerging Research Trends in Computer Science

CERTIFICATIONS

- **Neural Networks and Deep Learning on Coursera**
Certificate earned on April 2020
- **Python for Data Science and AI by IBM on Coursera**
Certificate earned on March 2020
- **Docker for the Absolute Beginner on KodeKloud**
Certificate earned on April 2020
- **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization on Coursera**
Certificate earned on April 2020
- **Foundations: Data, Data, Everywhere**
Certificate earned on May 2021
<https://www.coursera.org/account/accomplishments/certificate/MB694AVSJ38C>

TECHNICAL (IT) SKILLS

- **Tools**
Eclipse, NetBeans, Visual Studio, Android Studio
- **Languages**
JavaScript, Java, Python, Kotlin, HTML, CSS, C#, ASP net MVC5, PHP
- **Database Managment**
SQL Server 2012, MYSQL, Oracle 11g
- **Cloud - based Technologies**
Docker and Kubernetes

LANGUAGE SKILLS

MOTHER TONGUE(S): Amharic

OTHER LANGUAGE(S):

English

Listening C1	Reading C1	Spoken production C1	Spoken interaction C1	Writing C1
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Italian

Listening A1	Reading A1	Spoken production A1	Spoken interaction A1	Writing A1
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