Gemmechu Mohammed Hassena

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LINKS	Github, linkedin, Twitter, Website				
PROFILE	A motivated individual with a curious mindset continuously improves himself to contribute to the advancement of science. He enjoys dealing with abstract problems and finding solutions. His research interest are in computer vision, graphics, and Machine learning.				
RESEARCH AND WOR	RK EXPERIENCE				
Oct 2021 — Present	Research Intern, INRIA - Ecole Polytechnique	Paris			
	Worked on 3D computer vision research projects advised by Maks Ovsjanikov				
	 Pointcloud denoising <u>more</u> Trained a Pointcloud denoising model using PCPNet architecture, for each vertices the model predict Laplacian weights of K-Nearest Neighbor. 				
May 2020 — Jul 2021	Research Intern, University of Michigan	Ann Arbor - Remote			
	Worked on computer vision research projects advised by David Fouhey				
	 Quantifying Bird Skeletons more Annotated and trained a segmentation model using Detectron2 Workshop poster at CVPR-2021 and a manuscript under review at Evolution Reduced capture time of measuring skeletal traits by 15x Scene understanding using humans as Ruler more Created a dataset from 500GB youtube videos Trained a model that predicts the depth and ground of a scene from Collaborated on a project with Devi Parikh at Georgia Tech on Expandir Look at the output of the model and provide feedback on whether the 	an RGB image 1g Horizons <u>more</u>			
Apr 2020 — Present	Co-founder/ Web developer, Eskalate	Menlo Park- Remote			
	 In collaboration with the Ethiopian Ministry of Health, i worked as a front-end developer on a non-commercial app <u>TrackSym</u> that uses crowd-sourcing to collect and visualize the density of the relevant symptoms by utilizing VueJs framework. 				
Jul 2021 — Sep 2021	Machine learning Engineer, Elegant AI	Palo Alto - Remote			
	 Worked on training and benchmarking end to end speech recognition syste utilizing frameworks like Silero and speechbrain 	ems for fast food companies. by			
EDUCATION					
Sep 2016 — Oct 2021	Software Engineering, Addis Ababa University	Addis Ababa			
	Graduated with Great Distinction - 3.6 CGPA				
	 Relevant coursework: Applied Mathematics I & II, Data Structures and Algorithms, Introduction to Robotics, Object-Oriented Programming I & II, Human-Computer Interaction, Advanced IT Security, Database Administration, Computer Architecture, Big Data Modeling, and Management System 				
Oct 2019 — Oct 2021	A2SV: Africa to Silicon Valley	Addis Ababa			
	<u>A2SV</u> upskills high-potential university students connect them with top tech companies, 59% of students passed Google internship interview. A2SV Focuses on Algorithm and data-structure				
	• I solved >300 algorithms and data-structure problems and mentored 2 junior students.				
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CKILLC	Ability to Work in a Team A nimation and Film	malring			

SKILLS Ability to Work in a Team

Blender 3D

Animation and Film making

VR/AR development with Unity

FYTR	A - CIIR	RICIII	ΔR	ACTIVITIES

Nov 2019 — Nov 2020

President, Inspire student club

Inspire works towards knowledge sharing and building capacity of students \underline{link}

Addis Ababa

- Organized Multiple Hackathons and Seminars
- Hosted Jack Dorsey's visit to Addis Ababa University
- Organizing members grew from 10 to 53 students
- Organized the 1st AI in Ethiopia Conference

PROJECTS				
Dec 2020 — Oct 2021	Location Intelligence: Supermarket site selection	Graduation thesis project		
	Using nearby location data and demographic data. The AI model predicts the profits supermarket in the preferred location. <u>more</u>			
Oct 2019	Rust detection on wind turbines: Combating climate change	Individual project		
	Using drone camera to detect rust on the wing of wind turbines			
Apr 2018 — Sep 2018	Adventure of Rats	Individual project		
	A 3D adventure game with Unity game engine and built the character model using 3ds Max			
ONLINE COURSES				
Oct 2021 — Present	Shape Analysis by Justin Solomon, MIT			
Jun 2021 — Sep 2021	EECS 442 - Computer Vision by David Fouhey & Justin Johnson, University of Michigan			

HONORS & AWARDS

Sep 2019 — Jan 2020

Nov 2019 Google Developers: Devfest TensorFlow Speaker

Deep Learning Specialization by Andrew Ng, Coursera

• TensorFlow speaker on annual Google developer festival Addis, for 500 participants. more

Oct 2019 Addis Ababa University AI in Ethiopia Conference Organizer

> · I managed other student organizers and assisted with stage management, where speakers like Timnit Gebru, Rediet Abebe and Yolanda Gil participated more

Jun 2016 Falcon Academy Ranked 1st in grade 12