

# Muhammad Umar

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## EDUCATION

2020 - Present	<b>ILLINOIS INSTITUTE OF TECHNOLOGY</b> <i>Master of Computer Science</i>	Chicago, IL
2015 - 2019	<b>NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES</b> <i>Bachelor of Science in Electrical Engineering</i> <ul style="list-style-type: none"><li>• Runner-up in IdeaCom competition by FANAA - funding rewarded - April 2019</li><li>• Placed 3rd in Procom 2019 Hardware Exhibition - March 2019</li><li>• Won Smart Grid Showcase competition based on Switch Mode Power Supply project - Decemeber 2018</li><li>• Runner-up at MParsec Hackathon for blockchain based security for smartphone trading - April 2018</li></ul>	Karachi, Pakistan

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## SKILLS

- Programming Languages: JavaScript, Python, C++, PHP, R, Dart
- Frameworks: React, Express, Laravel, Django
- Technologies: HTML/CSS, jQuery, Jira, Git, LaTeX
- Languages: English (Fluent), Urdu (Native), Arabic (Basic), Japanese (Basic Verbal)

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## EXPERIENCE

2019 - 2020	<b>VENTUREDIVE</b> <i>Associate Software Engineer</i> <ul style="list-style-type: none"><li>• Operated as a Full Stack Developer with zGlue, Circadia. and Vendians</li></ul>	Karachi, Pakistan
2019 - 2020	<b>ZGLUE</b> <i>Full Stack Developer (Office to Remote)</i> <ul style="list-style-type: none"><li>• Halved chiplet entry time by initiating and implementing template scripts for quick chiplet creation process</li><li>• Led and managed a team of interns in three different countries for 1500 chiplets target</li><li>• Supervised the ZEF format for standardizing 2000+ chiplet data</li></ul>	Karachi Pakistan
2020 - 2020	<b>VENDIANS</b> <i>Full Stack Developer (Remote)</i> <ul style="list-style-type: none"><li>• Built the structure and led the implementation of the new employee profile module with permission-based rendering</li><li>• Created UI field generate utilities for generating dynamic components to allow modular scalability and convenient creation of any section</li></ul>	Karachi, Pakistan

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## PROJECTS

2020 - 2020	<b>PROJECTANT</b> <i>Wordpress Developer (Freelance) (Remote)</i> <ul style="list-style-type: none"><li>• Developed a responsive landing and sign up page for ProjectANT.io utilizing WordPress and Oxygen visual editor</li></ul>	Karachi, Pakistan
2020 - 2020	<b>PUNJAB TUBEWELL</b> <i>Wordpress Developer (Freelance) (Remote)</i> <ul style="list-style-type: none"><li>• Designed and deployed PunjabTubewell.com, a responsive informational website with Facebook and WhatsApp integration using WordPress and Oxygen</li></ul>	Karachi, Pakistan
2020 - 2020	<b>RHYTHM TYPER</b> <i>Personal</i> <ul style="list-style-type: none"><li>• Crafted <a href="http://mumarj.github.io/RhythmTyper/">mumarj.github.io/RhythmTyper/</a>. web based rhythm game for PC based on Paper.js and Howler.js for studying animation on canvas</li></ul>	Karachi, Pakistan
2018 - 2019	<b>COMMUNICATION ASSISTANCE FOR THE AUDIBLY IMPAIRED</b> <i>Developer (Final Year Project)</i> <ul style="list-style-type: none"><li>• Trained a model for American Sign Language to translate gestures to audi for audibly impaired persons to communicate using Python3, OpenCV, TensorFlow, Deep Learning (fast.ai, PyTorch) and Raspberry Pi 3 B+</li></ul>	Karachi, Pakistan

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## **PUBLICATIONS**

- H. A. Qazi, U. Jahangir, B. M. Yousuf and A. Noor, "Human action recognition using SIFT and HOG method," 2017 International Conference on Information and Communication Technologies (ICICT), Karachi, 2017, pp. 6-10

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## **PERSONAL**

- Hobbies: Swimming, Basketball, Video Games, Anime, Video Editing and Movies
- Edited fan Video Game trailers on youtube
- Deep Learning in Python Course - DataCamp certification - January 2019
- Convolutional Neural Networks - DataCamp certification- January 2019