

# Muhammad Umar

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## EDUCATION

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| 2020 - Present | <b>ILLINOIS INSTITUTE OF TECHNOLOGY</b><br><i>Master of Computer Science</i><br>• GPA: 3.5 / 4.0  | Chicago, IL       |
| 2015 - 2019    | <b>NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES</b><br><i>Bachelor of Science in Electrical Engineering</i><br>• Runner-up in IdeaCom competition by FANAA - funding rewarded - April 2019<br>• Placed 3rd in Procom 2019 Hardware Exhibition - March 2019<br>• Won Smart Grid Showcase competition based on Switch Mode Power Supply project - Decemeber 2018<br>• Runner-up at MParsec Hackathon for blockchain based security for smartphone trading - April 2018 | Karachi, Pakistan |

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## SKILLS

- Programming Languages: JavaScript, Python, R, C, C++, Dart, PHP
- Frameworks: React, Node.js, React Native, Express, Laravel, Django, PostgreSQL, MySQL
- Technologies: OpenCV, fast.ai, PyTorch, HTML/CSS, jQuery, Jira, Git, LaTeX
- Languages: English (Fluent), Urdu (Native), Arabic (Basic), Japanese (Basic Verbal)

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## EXPERIENCE

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| 2019 - 2020 | <b>VENTUREDIVE</b><br><i>Associate Software Engineer</i><br>• Operated as a Full Stack Developer with zGlue, Circadia. and Vendians   | Karachi, Pakistan |
| 2019 - 2020 | <b>ZGLUE</b><br><i>Full Stack Developer (Office to Remote)</i><br>• Decreased chiplet entry time by 50% by initiating and implementing template scripts for quick chiplet creation process<br>• Led and managed a team of interns in three different countries for 1500 chiplets target<br>• Supervised the ZEF format for standardizing 2000+ chiplet data | Karachi Pakistan  |
| 2020 - 2020 | <b>VENDIANS</b><br><i>Full Stack Developer (Remote)</i><br>• Built the structure and led the implementation of the new employee profile module with permission-based rendering<br>• Created UI field generate utilities for generating dynamic components to allow modular scalability and convenient creation of any section                               | Karachi, Pakistan |

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## PROJECTS

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| 2018 - 2019 | <b><u>COMMUNICATION ASSISTANCE FOR THE AUDIBLY IMPAIRED</u></b><br><i>Developer (Final Year Project)</i><br>• Trained a model for American Sign Language to translate gestures to audi for audibly impaired persons to communicate using Python3, OpenCV, Deep Learning (fast.ai, PyTorch) and Raspberry Pi 3 B+ | Karachi, Pakistan |
| 2020 - 2020 | <b><u>FITZ</u></b><br><i>Full Stack Developer (VandyHacks 2020)</i><br>• Developed a React Native application for finding and hiring personal sports trainers in a desired location.   | Chicago, Illinois |

2020 - 2020	<a href="#"><u>PROJECTANT</u></a> <b>WordPress Developer (Freelance) (Remote)</b> <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	<a href="#"><u>RHYTHM TYPER</u></a> <b>Personal</b> <ul style="list-style-type: none"> <li>Crafted a web-based rhythm game binding beats with keyboard inputs for PCs based on Paper.js and Howler.js for studying animations using Canvas.</li> </ul>	Karachi, Pakistan
2020 - 2020	<b>PUNJAB TUBEWELL</b> <b>WordPress Developer (Freelance) (Remote)</b> <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

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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
- Video Game Trailers editor on Youtube
- Deep Learning in Python Course - DataCamp certification - January 2019
- Convolutional Neural Networks - DataCamp certification- January 2019