

Muhammad Umar

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EDUCATION

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

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)

EXPERIENCE

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

PROJECTS

- | | | |
|-------------|--|-------------------|
| 2018 - 2019 | <u>COMMUNICATION ASSISTANCE FOR THE AUDIBLY IMPAIRED</u>
<i>Developer (Final Year Project)</i>
• 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 | <u>FITZ</u>
<i>Full Stack Developer (VandyHacks 2020)</i>
• Developed a React Native application for finding and hiring personal sports trainers in a desired location. | Chicago, Illinois |

2020 - 2020	<u>PROJECTANT</u> WordPress Developer (Freelance) (Remote) <ul style="list-style-type: none"> Developed a responsive landing and sign-up page for ProjectANT.io utilizing WordPress and Oxygen visual editor 	Karachi, Pakistan
2020 - 2020	<u>RHYTHM TYPER</u> Personal <ul style="list-style-type: none"> 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. 	Karachi, Pakistan
2020 - 2020	PUNJAB TUBEWELL WordPress Developer (Freelance) (Remote) <ul style="list-style-type: none"> Designed and deployed PunjabTubewell.com, a responsive informational website with Facebook and WhatsApp integration using WordPress and Oxygen 	Karachi, Pakistan

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

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