

# Jabbar Shah Syed

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*Civil Engineer Researcher | Passionate about Construction Project Management, BIM, Deep learning and Computer Vision.*

## EDUCATION

**Hanyang University**, Seoul, South Korea

### ▪ MSc. in Civil Engineering

- Specialization: Advance Infrastructure System
- Thesis Title: BIM for Civil Engineers in Pakistan: Awareness, Benefits and Barriers
- Advisor: Prof. JongWonSeo
- Cumulative GPA: 3.83 / 4.00

View Transcript  
Mar 2018 – Feb 2020

**Balochistan University of Eng. & Tech.**, Khuzdar, Pakistan

### ▪ B.E in Civil Engineering

- Thesis: CAD based high-rise building design in seismic zone
- Graduated with Honors.
- Percentage: 77%

View Transcript  
Mar 2011 – Apr 2015

## RESEARCH EXPERIENCE

**Smart Infrastructure Center**, Yonsei University

- Graduate Research Assistant, Civil Engineering Department
- Project: Computer vision-based workers safety monitoring fall hazards prevention
- Focus: Computer vision, Deep learning, PPEs Object detection.

Sep 2021 – 2022-05

**Green Infrastructure Lab**, Seoul National University

- Graduate Research Assistant, Landscape Engineering Department
- Project: Building damage identification and restoration using deep learning.
- Focus: Computer vision, Deep learning, building.

Mar 2021 – Jun 2021

**Construction Automation Lab**, Hanyang University

- Graduate Research Assistant, Civil Engineering Department
- Project: Automated earth excavation project monitoring system.
- Supervisors: Prof. Seo Jong-won
- Focus: BIM, Machine Learning, Project management, Risk management.

Mar 2018 – Feb 2020

## COMPUTER SKILLS

### TECHNICAL SKILLS

- **Engineering Software:** AutoDesk Revit, AutoDesk Civil 3D, ETABS, SAFE, Primavera P6, LabView
- **Programming:** Python, Matlab, Bash
- **Technologies:** Tensorflow, Pytorch, Docker, Git
- **OS:** Windows, Linux, Mac OS
- **Office:** L<sup>A</sup>T<sub>E</sub>X, MS Office, Google Suite

### COURSES

- Machine learning August 31, 2021
- Neural networks and deep learning October 14, 2021
- Programming for Everybody(Python) Sep 20, 2021
- Intro to Python Mar 07, 2021

## RESEARCH ACTIVITIES

### WORKSHOPS (AS PARTICIPANT)

- [1] The future of construction: Symposia on Construction Robotics and Computational Design for Sustainable Construction Jun 2022
- [2] 2nd Workshop and Challenge on Computer Vision in the Built Environment for the Design, Construction, and Operation of Buildings Jun 2022
- [3] Workshop on Attention and Transformers in Vision Jun 2022
- [4] International Challenge on Activity Recognition (ActivityNet) Jun 2022

	[5] Sixth Workshop on Computer Vision for AR/VR (CV4ARVR)	Jun 2022
<b>AWARDS &amp; SCHOLARSHIPS</b>	<ul style="list-style-type: none"> <li>▪ Hanyang University Graduate Scholarship Full-tuition fee and living stipend during graduate studies.</li> <li>▪ Undergraduate Merit Scholarship Full-tuition fee and living stipend at undergraduate for high achieving students</li> </ul>	2018 – 2020  2011 – 2015
<b>PROFESSIONAL AFFILIATIONS &amp; ACTIVITIES</b>	<b>Pakistan Engineering Council,</b> Islamabad, Pakistan <ul style="list-style-type: none"> <li>▪ Professional Member License No: CIVIL/38517</li> </ul> <b>Korean Society of Civil Engineers,</b> Seoul, South Korea <ul style="list-style-type: none"> <li>▪ Professional Member</li> </ul>	2015 – Present  2018 – Present
<b>EXTRA-CURRICULAR ACTIVITIES</b>	<ul style="list-style-type: none"> <li>▪ <b>Asia-Pacific Youth Exchange Program,</b> Volunteer Cebu, The Philippines</li> <li>▪ <b>Belt and Road Initiative Youth Forum,</b> Volunteer Seoul, South Korea</li> <li>▪ <b>Pakistan Engineering Council (CPD),</b> Participants <ul style="list-style-type: none"> <li>• Entrepreneurship for engineers</li> <li>• Digital Transformation and Impact of IoT on Education, Industry Health Sector and society Towards Creating Job Opportunities</li> </ul> </li> </ul>	Jun 2019 – Jul 2019 Aug 2019 – Aug 2019  Jun 2017 – Jun 2017 Jun 2017 – Jun 2017
<b>LANGUAGES</b>	<ul style="list-style-type: none"> <li>▪ Urdu: Native language.</li> <li>▪ English: Fluent (speaking, reading, writing). <b>IELTS</b> 7.0 Band <b>TOEIC</b> 905 Score</li> <li>▪ Korean: Intermediate (reading); basic (speaking, writing).</li> </ul>	
<b>INTERESTS</b>	Digital photography, Bicycling, Travelling.	
<b>REFERENCES</b>	<ul style="list-style-type: none"> <li>▪ <b>Dr. Abdul Qudoos</b> Chair and Associate Professor of Civil Engineering Balochistan Uni. of Engg Tech, Khuzdar. BUET, Khuzdar, 89100 Pakistan aqbaloch@buetk.edu.pk • +92 (848) 550273</li> <li>▪ <b>Dr Atta ur Rehman</b> Research Professor, Research &amp; Development Yonsei University 50 Yonsei-ro, Seodaemun-gu, 03722, Seoul bcr@yonsei.ac.kr • +82 (010) 3413-3185</li> </ul>	