Jabbar Shah Syed

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

EDUCATION

Yonsei University, Seoul, South Korea — View Transcript

- **Ph.D. in Civil Engineering** — Sep 2021 – present
  - Semester: 3rd
  - GPA: 3.86/4.3

Hanyang University, Seoul, South Korea — View Transcript
- **MSc. in Civil Engineering** — Mar 2018 – Feb 2020
  - 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

Balochistan University of Eng. & Tech., Khuzdar, Pakistan — View Transcript
- **B.E in Civil Engineering** — Mar 2011 – Apr 2015
  - Thesis: CAD based high-raise building design in seismic zone
  - Graduated with Honors.
  - Percentage: 77%

RESEARCH EXPERIENCE

Smart Infrastructure Center, Yonsei University

- Graduate Research Assistant, Civil Engineering Department — Sep 2021 – 2022-05
  - Project: Computer vision-based workers safety monitoring fall hazards prevention
  - Focus: Computer vision, Deep learning, PPEs Object detection.

Green Infrastructure Lab, Seoul National University

- Graduate Research Assistant, Landscape Engineering Department — Mar 2021 – Jun 2021
  - Project: Building damage identification and restoration using deep learning.
  - Focus: Computer vision, Deep learning, building.

Construction Automation Lab, Hanyang University

- Graduate Research Assistant, Civil Engineering Department — Mar 2018 – Feb 2020
  - Project: Automated earth excavation project monitoring system.
  - Supervisors: Prof. Seo Jong-won
  - Focus: BIM, Machine Learning, Project management, Risk management.

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*:   LaTeX, 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: Symposiums 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

AWARDS & SCHOLARSHIPS	■ Undergraduate Merit Scholarship Full-tuition fee and living stipend at undergraduate for high achieving students	2011 – 2015

PROFESSIONAL AFFILIATIONS & ACTIVITIES	**Pakistan Engineering Council**, Islamabad, Pakistan	
	■ Professional Member License No: CIVIL/38517	2015 – Present
	Korean Society of Civil Engineers, Seoul, South Korea	
	■ Professional Member	2018 – Present

EXTRA-CURRICULAR ACTIVITIES	■ **Asia-Pacific Youth Exchange Program**, Volunteer Cebu, The Philippines	Jun 2019 – Jul 2019
	■ **Belt and Road Initiative Youth Forum**, Volunteer Seoul, South Korea	Aug 2019 – Aug 2019
	■ **Pakistan Engineering Council (CPD)**, Participants	
	• Entrepreneurship for engineers	Jun 2017 – Jun 2017
	• Digital Transformation and Impact of IoT on Education, Industry Health Sector and society Towards Creating Job Opportunities	Jun 2017 – Jun 2017

LANGUAGES	■ Urdu: Native language.
	■ English: Fluent (speaking, reading, writing). **IELTS** 7.0 Band **TOEIC** 905 Score
	■ Korean: Intermediate (reading); basic (speaking, writing).

INTERESTS	Digital photography, Bicycling, Travelling.

REFERENCES	■ **Dr. Abdul Qudoos** Chair and Associate Professor of Civil Engineering Balochistan Uni. of Engg Tech, Khuzdar. BUET, Khuzdar, 89100 Pakistan aqbaloch@buetk.edu.pk • +92 (848) 550273
	■ **Dr Atta ur Rehman** Research Professor, Research & Development Yonsei University 50 Yonsei-ro, Seodaemun-gu, 03722, Seoul bcr@yonsei.ac.kr • +82 (010) 3413-3185