Haris Waheed Bhatti

Nationality: Pakistani   **Date of birth:** 25/12/2001   **Gender:** Male

📞 **Phone number:** (+92) 3348103028   ✉ **Email address:** harisw95@gmail.com

🟢 **WhatsApp Messenger:** +92 334 8103028

in **LinkedIn:** https://www.linkedin.com/in/bhatti25/

📍 **Home:** House no. 16, Street no. 5, Jinnah Garden, 45710 Islamabad (Pakistan)

ABOUT ME

I am passionate about gaining the knowledge and expertise to become an expert solutions provider. With a diverse experience across multiple disciplines that equips me with a distinctive set of technical skills, I'm ready to contribute a unique blend of expertise to innovative projects in the realm of engineering.

WORK EXPERIENCE

Contract Management Intern
Engineering and Management Services [07/08/2023 – 01/09/2023]

Website: https://www.linkedin.com/company/emspakistan/about/

Link: https://bit.ly/4bgohKV

FIDIC Knowledge: Led comprehensive reviews of construction contract reports, specializing in FIDIC use and arbitration processes.
Legal Practice: Delivered articulate presentations on FIDIC and arbitration, showcasing a deep understanding of legal complexities within construction contracts.

Research Intern
Southern Illinois University Edwardsville [17/07/2023 – 24/08/2023]

Website: https://www.linkedin.com/in/saadullah1/

Link: http://bit.ly/47UmNmV

Research Skills: Extracted valuable information from academic articles and paper sections.
Abstract Analysis: Developed expertise in analyzing abstracts for crucial research insights.
Proposal Presentation: Received mentorship to craft concise and compelling presentations, contributing to a impactful research proposal.

Civil Engineering Intern
Fatima Fertilizer Company [11/07/2023 – 04/08/2023]

Website: https://www.fatima-group.com/

Link: https://bit.ly/3HCz6cN

BIM Experience: Independently crafted a precise 3D steel model for a substantial rock phosphate storage shed, covering an expansive area of 6804 square meters
Drawing Intuition: Solely relied on provided drawings, showcasing exceptional self-reliance in translating 2D plans into a detailed 3D structure of significant proportions.
Effective Communication: Collaborated with stakeholders to incorporate their input, enhancing the practicality and functionality of the 3D model for the 42m x 162m shed.

DIGITAL SKILLS

Revit / Solidity / Blockchain / Rust / Microsoft Office

EDUCATION AND TRAINING

BE Civil Engineering
National University of Science and Technology [28/08/2023 – Current]

Website: https://nust.edu.pk/ | **Field(s) of study:** Construction Management | Building Information Modelling| Artificial Intelligence | Contracts Management | Blockchain | | **Thesis:** Enhancing Construction Transparency and Dispute Resolution Through Blockchain Based BIM Models

Link: https://bit.ly/49dUTmK

Summary
I received a **PKR 100,000 grant** for my final year project from the Pakistan Engineering Council during my degree. I designed an application that digitally signs construction documents and stores them on a blockchain to make them immutable; hence, **aiding dispute resolution**. I served as Director of the School Orientation Committee during NUST Orientation, President of the NUST 3v3 Madness Basketball Tournament, and organized other student-led events.

PROJECTS

[08/09/2023 – 05/04/2024]
Final Year Project: Blockchain-based Construction Document Management System
   • Developed a smart contract using Solidity to manage construction documents.
   • Implemented off-chain storage for documents, with each document digitally signed.
   • Ensured that all documents are securely stored and linked to the blockchain, enhancing immutability and transparency.
   • Facilitated a smoother dispute resolution process for stakeholders by leveraging blockchain technology.

Link: https://sepolia.arbiscan.io/address/0x8535f1840d47b65ab11ac7d95b5430d017a4c867#code

COURSES

[29/01/2024 – Current]
Artificial Intelligence in the Built Environment

BIM and AI: Developing a strong foundation in Building Information Modeling (BIM), encompassing 3D modeling, data management, and interoperability standards.
Optimized Processes: Applying AI tools for project scheduling, risk management, and construction site monitoring, contributing to streamlined processes and enhanced efficiency in construction management.

BIM Data Management: Exploring advanced concepts in BIM data management, covering data collection, organization, and interoperability standards, ensuring effective collaboration and communication in construction projects.

EXTRA CURRICULARS

Coursera Certificates

Supervised Machine Learning: Regression and Classification [19/02/2023]
DeepLearning.AI course that made me proficient in Python coding for AI algorithms. I leveraged these skills in my "AI for Built Environment" course. (https://coursera.org/verify/T9ZJ8HYJX2E7)

Management of Urban Infrastructures – Part 1 [15/02/2024]

This course, taught by EPFL, has provided me fundamental knowledge about how cities operate and the vast amount of infrastructure that needs to be built, operated, maintained and governed in large cities.(https://coursera.org/verify/MWW4ZWUXSTDP)

Innovative Governance of Large Urban Systems [21/02/2024]

This course dives deep into the intricacies of governing large urban cities. Governors have to take into account a plethora of factors all the while keeping the well being of citizens as their top priority. (https://coursera.org/verify/3VNHK3YRQ7MZ)