M. Hassan Mughal

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Experience & Projects

- **Teaching Assistant/ Teacher's Aide**
  02/ 2022 to 06/ 2022
  Course: **MATH-361 Probability & Statistics** Assisted with managing, bookkeeping, and grading of quizzes, assignments and assessments; and also helped to refine assessment parameters and processes in course, for 2 classes having 87 students in total. Instructor: Dr. Umer Saeed

- **Project Leader**
  03/ 2021 to 06/ 2022
  Automatic Information Extraction
  Program to extract information from construction correspondence using python
  - To minimize time waste in Information Extraction by traditional methods.
  - To mitigate potential risks that can emerge as a part of extensive to-and-fro communication.
  - To help in effective, and efficient bookkeeping of important information & change orders.
  - Being the main, core developer of the team, wrote a program to extract information from the construction correspondence.
  - Proper Implementation can increase the efficiency by 1000% while reducing the amount of time required to go through, in case of claim assessment, by at least 90%.

- **Team Leader**
  04/ 2021 to 05/ 2021
  Structure Estimation
  Led and managed a team of 5, to achieve 100% accuracy and precision in finding:
  - Total quantities of material in structure having floor area of more than 2000 sq ft.
  - the total cost including the overheads, contingencies, and taxes usu. In 10%-20% range

- **Project Leader**
  04/ 2021 to 05/ 2021
  Road Construction
  Led and managed a team of 4, to achieve 100% accuracy and precision in finding:
  - Total quantities of material in 1.8 KM long road, no. of machinery and cost.
  - Planning the project accordingly to complete it in 2 months' time.

- **App Developer**
  10/ 2020 to 02/ 2021
  Self-Employed/Freelance
  Developed an android at the request of the client, which had features:
  - Stop the alarm clock only when a specific QR Code is scanned; can retrieve Ringtone from FM radio channel or any online source; gradual increase in volume of alarm tone

- **Volunteer**
  08/ 2019 to 08/ 2019
  Akhuwat Foundation
  - Dealing with and managing different types of people, while leading a team of 10 volunteers
  - Organizing & Managing crowds in donation drives things to be distributed in real-time (usu. Around 500 people and 2000-3000 items)

Skills

Project Management • Quantity Surveying • Cost Estimation • Computer-Aided Design and Drafting (CADD) • Communication • Organizational Skill • Teamwork • Stress Management • Documentation • MS Office • MATLAB • Linux • Programming (C++, Java, Kotlin, Python) • Inclusive • Collaborative • Resilient • Decisive • Accountability • People Management • Six Sigma • Project Planning & scheduling • Work Management Software • Procurement

Education

- National University of Sciences & Technology (NUST), Islamabad
  Bachelor's Civil Engineering
  08/ 2018 to Present

Certifications & Licenses

- **Accenture Project Management Virtual Experience**
- **Google Project Management: Professional Certificate (Specialization)**
    - Foundations of Project Management
    - Project Initiation: Starting a Successful Project
    - Project Planning: Putting It All Together
    - Project Execution: Running the Project
    - Agile Project Management
    - Capstone: Applying Project Management in the Real World
- **Construction Management by Columbia University (Specialization)**
    - Construction Project Management
    - Construction Scheduling
    - Construction Cost Estimating and Cost Control
    - Construction Finance
    - The Construction Industry: The Way Forward
- **Six Sigma Yellow Belt by University System of Georgia (Specialization)**
    - Six Sigma Principles
    - Six Sigma Tools for Define and Measure
    - Six Sigma Tools for Analyze
    - Six Sigma Tools for Improve and Control
- **Project Management & Other Tools for Career Development by University of California, Irvine**
- **Project Management Principles and Practices by University of California, Irvine (Specialization)**
    - Initiating and Planning Projects
    - Budgeting and Scheduling Projects
    - Managing Project Risks and Changes
    - Project Management Project
- **Getting Started in Google Analytics by Coursera Project Network**