

Abdul Arafat Khan

1534 fifth avenue, Youngstown, OH 44504 | abdul.arafat11@gmail.com | (330) 918-5955 | Personal Website | GitHub

SKILLS

Programming & Data Analytics Skills: Python, Java, C++, MATLAB, Latex, SQL, Excel, Etabs, Sap2000, Staad Pro, Autocad

EDUCATION

Youngstown State University (YSU), Youngstown, Ohio

College of Science, Technology, Engineering & Mathematics (STEM)

Master of Science in Computing and Information Systems

Anticipated, Dec. 2023

Overall GPA: 3.66/4.0

Jamia Millia Islamia (JMI), New Delhi, India

College of Engineering & Technology (STEM)

Masters in Earthquake Engineering

May 2016

Minor: Mathematics

Overall GPA: 3.5/4.0

Mahatma Jyoti Rao Phoole (MJRP), Jaipur, India

College of Engineering & Technology (STEM)

Bachelors in Civil Engineering

May 2012

Overall GPA: 3.5/4.0

Aligarh Muslim University (AMU), Aligarh, India

College of Engineering & Technology (STEM)

Diploma in Civil Engineering

May 2007

Overall GPA: 3.0/4.0

Published International Articles/Journals (7 Citations)

- “Effect of restrainers on RC Bridge using Linear and Non-linear analysis” Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 13, Issue 6 Ver. VII (Nov. - Dec. 2016), PP 43-47
- “Structure Analyzed for Maximum considered and Design Basis Earthquake in Northern India” SSRG International Journal of Civil Engineering (SSRG-IJCE) – volume 4 Issue 5 – May 2017

RELEVANT COURSEWORK

- Advanced Database Design and Administration, Cloud Computing & Big data, Bayesian Statistics, Probability and Statistics, Development of Databases, Finite Element Methods, Number Theory, Linear Algebra, Calculus I - III, Differential Equations, Discrete Mathematics, Advance Engineering Mathematics.

HONORS AND AWARDS

- **Graduate Assistantship and Scholarship, YSU:** Awarded to outstanding graduate student.
- **Outstanding International Student Scholarship, England:** Awarded to top 1% of students applied
- **Hirsch-Satrum Scholarship:** Award Presented to an outstanding campus leader.
- **Bernadine Marinelli Memorial Scholarship:** Award presented to an outstanding student supervisor in the division of student experience.
- **Multicultural Leadership Scholarship:** Award recognizes a minority student who has achieved academic success and demonstrated effective leadership in promoting cultural awareness to the campus and community.

WORK EXPERIENCES

Graduate Teaching Assistant, Civil & Environmental Engineering Department, Youngstown State University Fall 2021

- Tutoring Strength of Materials Laboratory graduate-level courses.
- Assisting instructor with the course materials and activities for assigned college courses.
- Providing academic support and instructions to undergraduate-level students.

Resident Assistant (RA), Residence Life, Youngstown State University Fall 2021

- Organized 1+ educational and social events for 30+ residents.
- Fostered development of the relationship between 30+ residents.
- Communicate, collaborate, and correspond with on and off-campus offices such as counseling, student activities, campus security, planned parenthood, etc.

Structural Design Engineer, AFF STEEL, New Delhi, India 2012-2014 & 2016-2018

- Design of RCC structures and Steel Structures
- Coordination with Architects and all Services
- Preparation of PPT for the Client
- Detail design drawings and documents and deliver as per agreed schedule
- Making calculations about loads and stresses
- Providing technical advice
- Design of piling and raft foundation
- Preparation of DBR-Design Basis Report
- Site visits

LEADERSHIP ACCOMPLISHMENTS

- National Level Chess Player 2016
- Swimming Team, Captain 2006-2007
- Trap shooting club, Secretary Fall 2021-Spring 2022
- State Level Snooker Player 2008
- Organizing committee member in All the universities Attended