
ROWSHON JADID

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SUMMARY

Ph.D. candidate in geotechnical engineering at NCSU with over 7 years of combined research and consulting experience. He has a strong background in geotechnical engineering and managed several civil and geotechnical projects as a consultant. His project experience includes site exploration, technical report preparation, construction observation & quality control, technical specification preparation, engineering design & analyses, and material testing. He has published over 15 peer-reviewed journal and conference papers and served as a reviewer in multiple ASCE journals. He has also served as the President of the ASCE Geo-Institute Graduate Student Organization at NCSU.

SKILLS

- Risk & Reliability Analysis
- Embankment, Dam & Levee Design and Analysis
- Dam Rehabilitation
- Advanced Numerical Modeling
- Foundation Engineering
- Subsurface Investigation and Testing
- Computer Programming and Data Automation
- Soil Stabilization
- Retaining Structure

WORK EXPERIENCE

Graduate Research Assistant

08/2016 - 10/2020

North Carolina State University, Raleigh, NC, United States

- Performed risk and reliability analysis for embankments, dams, and levees
- Performed advanced numerical modeling using PLAXIS & GeoStudio (SLOPE/W, SEEP/W, SIGMA/W) for seepage and stability analysis of dams
- Developed Performance-Based Design (PBD) criteria based on case studies for embankment dams
- Investigated remedial actions to reduce the risk of dam & levee failure

Junior Consultant

10/2013 - 08/2016

Bureau of Research, Testing, and Consultation; Dhaka, Bangladesh

- Developed site characterization programs and sampling to provide recommendations on geotechnical design parameters for more than 7 public and commercial projects located at four major cities in Bangladesh.
- Performed various lab and field tests including Standard Penetration Test (SPT), Cone Penetration Test (CPT), Ground Penetrating Radar (GPR) Test, Field CBR Test, Pile Integrity Test, Pile Load Test, quality control test for compacted bed by Sand Cone Method and Dynamic Cone Penetration method (DCP), etc.
- Prepared technical reports presenting results of engineering analyses for residential and commercial projects.
- Assessed structural integrity of five factories as part of a project sponsored by Int. Labour Organization (ILO).

EDUCATION

North Carolina State University (NCSU) Raleigh, NC, United States

2016 - 2020

Ph.D. in Civil Engineering (Geotechnical), GPA: 4.00

Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh

2013 - 2016

M.Sc. in Civil Engineering (Geotechnical), GPA: 4.00

Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh

2008 - 2012

B.Sc. in Civil Engineering, GPA: 3.91