

Shajid Rahman

2151, Avent Ferry Road, Raleigh, NC-27606, USA • srahman7@ncsu.edu • +1 (682) 392-0379

Career Objectives

To learn, explore and unravel challenging interdisciplinary research problems in the field of polymer, fiber, surface & material science as well as to impart my knowledge to have a positive impact in academia, industry, and society.

Education

NORTH CAROLINA STATE UNIVERSITY Raleigh, NC, USA
Doctor of Philosophy (Ph.D.), Mechanical Engineering. [2023 - Present]

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY Dhaka, Bangladesh
Master of Science, Mechanical Engineering. [2018 - 2022]

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY Dhaka, Bangladesh
Bachelor of Science, Mechanical Engineering. [2013 - 2017]

Work Experience

Graduate Research Assistant [2023 - Present]
North Carolina State University - Porous Media and Multiphase Flow lab Raleigh, NC, USA
The Nonwovens Institute Raleigh, NC, USA

- Modeling Compression-Recovery in Multicomponent Nonwovens - A Design Tool (in progress)
- Presented our research in the semi-annual Industrial Advisory Board (IAB) meeting of the Nonwovens Institute at NCSU in Spring 2023, Fall 2023.

Research Assistant [2021-2022]
Bangladesh University of Engineering and Technology Dhaka, Bangladesh

Engineer, Production and Quality Control, Gravicon [2018-2021]

Projects, Trainings, and Miscellaneous Activities

- Autonomous Firefighting Robot with fire detection and extinguishment at Undergraduate Robotics Project. [2016]
- Trainee at Karnaphuli Paper Mills Ltd. [2017]

Core Skills

- **Coding:** MATLAB, Python, LAAMPS, Surface Evolver, Mathematica.
- **Simulation:** Altair EDEM
- **Hardware :** Arduino
- **Word Processing and Presentation:** Latex, Microsoft Office
- **Engineering design:** SolidWorks, AutoCAD.

Awards and Scholarships

- University technical scholarship by Department of Mechanical Engineering, BUET. [2013-2017]
- Bangladesh government merit-based scholarships in Secondary (SSC) and High School Certificates (HSC) examination. [2010-2012], [2013-2017]
- 1st Runner Up in Math Olympiad competition of Intra College Educational Festival and 4th position in Bangladesh Academy of Science Olympiad. [2011],[2012]

Reference

Available upon request