

Aunjishu Rahman Shrabonti

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EDUCATION

Texas Tech University, Lubbock, Texas

Graduation Month and Year: Spring 2028

BS/MS Environmental Engineering

GPA: 3.771

Minor: Civil Engineering, Geographic Information Science (GIS)

President and Dean's Honor List

EXPERIENCE

Water and The Environmental Research Center of Texas Tech-WATER

Student Assistant

May 2025 – August 2025

- Conducted wastewater management research addressing biological treatment, nutrient recovery, and novel technologies for managing contaminants like microplastics and PFAs.
- Explored toxicity impacts, supporting water solutions for space missions, and promoting outreach for sustainable environmental practices

Office of International Affairs, Texas Tech University

Global Guide

August 2025– Present

- Connect with incoming international students to support transition to campus life through active communication, mentorship, and resource guidance.
- Coordinate International Student Orientation and assist in planning and hosting cultural events that foster cross-cultural understanding within the university community.

Texas Tech Center for Transformative Undergraduate Experience (TrUE)

Associate Research Scholar

August 2025-Present

- Conducting a spatiotemporal drought analysis of the Pecos River watershed using Standardized Precipitation Index (SPI) and Standardized Precipitation Evapotranspiration Index (SPEI) to evaluate climate-driven drought variability.
- Utilizing GIS and QGIS climate datasets to calculate drought variability and interpret patterns across multiple timescales

INVOLVEMENT

Society of Environmental Professionals (SEP), Texas Tech University

External Vice President

August 2025-Present

- Initiate and maintain outreach with environmental firms and organizations to host on-campus events that enhance students' professional development and networking opportunities.
- Collaborate with campus organizations to coordinate volunteer projects and engagement initiatives that promote community service and student involvement in environmental sustainability.

American Society of Civil Engineers (ASCE), Texas Tech University

General Member

August 2025-Present

- Actively involved in industry outreach events, peer networking, and small-scale engineering competitions.

Chi Epsilon Honor Society, Texas Tech University

August 2025-Present

- Selected member of Chi Epsilon Honor Society (top 30% of the Civil Engineering department), actively engaged in professional development events, networking, and tutoring activities.

SKILLS

- Python, QGIS, Microsoft Excel, Microsoft PowerPoint, AutoCAD, Data Visualization, Environmental Sampling, Laboratory Testing, Statistical Analysis
- Cross-Cultural Communication, Peer Mentorship, Event Coordination, Public Speaking, Outreach & Partnership Building, Team Collaboration, Report & Presentation Design