

Muhammad Amzad Hossain

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EDUCATION

Fullbright College of Arts & Sciences, University of Arkansas

Master of Science in **Statistics and Analytics**

Graduated: May 2026

Thesis: Item Response Theory Evaluation of Mental Health Scales

Department of Mathematics, Jagannath University, Bangladesh

Bachelor of Science in **Mathematics**

Graduated: May 2008

PROFESSIONAL EXPERIENCE (10+Yers)

University of Arkansas

Fayetteville, AR

Graduate Assistant, Department of Mathematical Sciences

Sept 2024 – May 2026

- Tutor students, proctor examinations and grade assignments
- Help teachers with lesson preparation, collect materials and set up equipment
- Review lessons and lectures with students on a one-on-one basis or in small groups

SEBPO

Bangladesh

Data Analyst

August 2014 – August 2024

- Collaborated with Moody's USA Analytics team to retrieve, process, and manage datasets
- Utilized SQL for querying databases and extracting relevant data stored in S3 buckets
- Automated data pulling using Python scripts, ensuring seamless integration between data sources and analysis tools
- Designed and maintained interactive Power BI dashboards to visualize financial and operational data, providing key insights for decision-making
- Managed data retrieval processes on AWS, ensuring secure and efficient data access for the analysis team

Other Relevant Experience

Bangladesh

- **BBC Media Action** - Software Developer
- **GraphicPeople Studio** - Web Developer
- **Champs 21** - Software Engineer

July 2013 – March 2014

July 2012 – August 2014

January 2011 – June 2012

TRAINING

Coursera - Google Data Analytics Professional Certification

2022

DataCamp - Introduction to Python for Data Science

2018

Udemy - A gentle introduction to Machine Learning using SciKit-Learn

2019

LinkedIn - Creating an HTML5 Banner Ad with GreenSock (GSAP)

SKILLS & ACTIVITIES

Skills:

- **Programming & Tools** - Python, R, JavaScript, HTML, CSS, Photoshop
- **Databases** - SQL
- **Data Visualization** - Power BI, Excel (Pivot Tables)

Activities:

- Completed Dhaka International Marathon (21 Km) in 2016.
- Authored a math Olympiad book for the primary level