

# Mohammad Abu Thaher Chowdhury

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Google Scholar Profile: <https://scholar.google.com/citations?hl=en&user=52g5ZvIAAAAJ>

Linkedin Profile: <https://www.linkedin.com/in/thaher608/>

## EDUCATION

- |   |   |
|---|---|
| 1. <b>University of Texas at Rio Grande Valley</b><br>MS in Physics<br>CGPA – 3.78 out of 4.00 (After 3 <sup>rd</sup> semester)<br>Expected Graduation Date: December, 2022 | MS in Physics<br>CGPA-3.86 out of 4.00<br>Graduation Date - June, 2015  |
| 2. <b>Shahjalal University of Science and Technology</b>  | 3. <b>Shahjalal University of Science and Technology</b><br>B.Sc. in Physics<br>CGPA-3.28 out of 4.00<br>Graduation Date - December, 2013 |

## RESEARCH INTEREST:

- |                       |                 |
|-----------------------|-----------------|
| 1. Gravitational wave | 3. Astrophysics |
| 2. General relativity | 4. Cosmology    |

## TEACHING AND RESEARCH EXPERIENCE:

1. **Graduate Assistant** in the University of Texas at Rio Grande Valley in Micro-credentials project from June, 2022 to present.
2. **Graduate Teaching Assistant (PGRA)** in the University of Texas at Rio Grande Valley from January, 2022 to May, 2022.
3. **Presidential Graduate Research Assistant (PGRA)** in the University of Texas at Rio Grande Valley from January, 2021 to December, 2021.
4. **Lab Faculty** in the Department of Mathematics and Natural sciences in the BRAC University at Dhaka, Bangladesh from January, 2018 to December, 2020
5. **Lecturer** in the Department of Physics in the Universal College at Sylhet, Bangladesh from August, 2016 to December, 2017
6. **Graduate Research Assistant** in PP & PDC Research Laboratory in Bangladesh Council of Scientific and Industrial Research (BCSIR) at Dhaka, Bangladesh from July, 2015 to July 2016.
7. **Student Research Assistant** in the Department of Physics in the Shahjalal University of Science and Technology from June, 2014 to June, 2015.

## MAJOR AWARDS AND HONORS:

1. Presidential Graduate Research Assistant, UTRGV, USA (2021-Present)
2. Ministry of education Fellowship, Bangladesh (2014)

## MAJOR TECHNICAL EXPERIENCES:

- High Performance Computing (HPC)
- Latex
- Competent knowledge in programming: (MATLAB, Python)

## CURRENT RESEARCH PROJECT:

1. Removing glitches in Gravitational wave data.

## CONFERENCE PROCEEDING:

1. Thomas Cruz, **Mohammad Abu Thaher Chowdhury**, Soumya D. Mohanty (presenter), "Data-driven data-fitting: Adaptive spline fitting and its applications," poster, Texas Advanced Computing Center (TACC) Symposium for Texas Researchers (TACCSTER 2021), Virtual, Sep. 23-24, 2021. URI: <https://hdl.handle.net/2152/89587>

## THESIS DETAILS:

1. **M. A. T. Chowdhury**, "Adaptive spline fitting on glitches in Gravitational Wave data." The University of Texas Rio Grande Valley, current.

## LEADERSHIP EXPERIENCE:

1. Working as the **General Secretary** in **Astronomy Club** from January, 2022 to Present.
2. Worked as the **Organizer and Trainer** in **SUST Career Club** from August, 2013 to June, 2015.