

# MOHAMMED ARMAN

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## Education:

<b>Temple University</b>	2017-2019 (May)
<b>Community College of Philadelphia</b>	2015-2016
<b>Pennsylvania State University, PA, Abington</b>	2013 -2014
<b>G.W. Carver High School of Engineering &amp; Science, PA Philadelphia</b>	2010 - 2013
<b>Major:</b> Biology (B.S) <b>Concentration:</b> Pre-medical science	

**Relevant Coursework:** Medical Terminology, Organic Chemistry, Neuroscience, Cell structure and function, Genetics, Bioinformatics, Statistics, Genomics in Medicine, Marine Ecology, Conservation of Biology, Public Speaking.

## Community and Volunteer Activities:

<b>Volunteer, Hospital of the University Pennsylvania</b>	2013-2015
<ul style="list-style-type: none"><li>• Volunteered at emergency department by aiding paramedics in patient assessment and Heart &amp; Cardiovascular Department.</li></ul>	
<b>Emergency Medical Technician Basic, Pennmert Volunteer</b>	2015
<ul style="list-style-type: none"><li>• Performed CPR, spinal stabilization, vital assessment, focused histories and physical exams on both trauma and nontrauma patients.</li><li>• Applied blood glucose monitors, electrocardiograph machines, defibrillation and aided nurses in patient care and performed history assessment.</li></ul>	
<b>Volunteer, American Red Cross</b>	2013-2014
<ul style="list-style-type: none"><li>• Helped administer fire safety packets and did basic office tasks.</li></ul>	
<b>Volunteer, Philadelphia Folklore Project</b>	2013-2014
<ul style="list-style-type: none"><li>• Researched and collected information about the lifestyle, culture as well as economic services of Bengali individuals living in West Philadelphia.</li><li>• It was a project to bring up the existence of a community as well as introducing their traditions among other groups of people and presented at Penn.</li></ul>	
<b>Shadow, Hospital of the University Pennsylvania</b>	2014-2015
<ul style="list-style-type: none"><li>• Shadowed Dr. Dixit on performing Cardiac Electrophysiology Procedure in the operating room.</li></ul>	
<b>Tutor, Moder Patshala</b>	2011-2014
<ul style="list-style-type: none"><li>• Tutored students at a non-profit organization for after school program. Tutored for Biology, Chemistry, Calculus and SAT Mathematics.</li></ul>	

## Research Experience:

<b>Assistant Researcher, CHOP</b>	2017-2018
<ul style="list-style-type: none"><li>• Completed calculations for PCR set up and nanodrop DNA concentration.</li><li>• Created agarose gel for gel electrophoresis and ran gel by following PCR/qPCR methods.</li><li>• Optimized new primers in the 11-pre PATTR and 17 post PATTR regions for use in qPCR set up and determined their primer efficiency.</li><li>• Using the primers optimized in the first few months for the pre and post PATTR regions perform qPCR analysis to determine any increased association of double strand breaks at the PATTR regions.</li><li>• Produced graphs based on the qPCR results and documented for further analysis.</li></ul>	
<b>Lab Assistant, Community College of Philadelphia</b>	2015-2016
<ul style="list-style-type: none"><li>• Gadd45a and Gadd45b modulate innate immune functions of granulocytes and macrophages by differential regulation of p38 and JNK signaling (Cellular Physiology Research)</li><li>• Performed gel electrophoresis and gel filtration.</li><li>• Collected results for further analysis and performed protein assays.</li><li>• Assisted to set up western blotting.</li></ul>	
<b>Computational Researcher, University of Science Chemistry Research</b>	2012-2013
<ul style="list-style-type: none"><li>• Investigation of (2-4' Hydrophenyl-azo) benzoic acid in various solvents.</li><li>• Performed analysis of molecular interactions in 3D structure using software.</li><li>• Investigated any weak interactions or molecular residues in the reaction.</li></ul>	

- Presented the paper on the Investigation of (2-4 Hydropheny-lazo) benzoic acid in various solvents.
- Presented at 2012 ACS middle Atlantic Regional Meeting MARM (Baltimore, Maryland).

### Work Experience:

#### **Virology Data Analyst, Eurofins Lancaster Laboratories** 2019-present

- Reviews Laboratory Operations documents, log books, and tracking sheets, to ensure data integrity.
- Responsible for the remediation of corrections found upon review.
- Guarantees that work is compliant with cGMP, GLP and the approved assay methods.
- Manages the reconciliation process and archiving of finished worksheets.
- Designs Right First Time metrics to improve efficiency and drive error reduction.
- Facilitates the tracking of current SOPs and the changing of new SOPs within virology laboratories.
- Collaborates with team members to update and create SOPs and Standard Work Documents.

#### **Global Arena Language Service** 2016-present

- Interpretation of English to Bengali and Bengali to English during a patient to doctor conversation.
- By following rules, regulations and national ethics, the interpretation is properly rendered.

#### **Interpreter, Avante Language** 2016-present

- Medical as well as legal interpretation is performed in accordance with national code of ethics and organization regulations.
- Interpreting English to Bengali as well as Bengali to English on site at various hospital settings, non-clinical meetings and home treatments. I render whatever is said between doctors/officials and patients.

#### **Delivery Driver, GrubHub** 2017-present

- I work part-time to help customers for delivering their food door-to-door.

#### **Barista and Cashier, Saxbys Coffee Shop** 2014-2015

- Took orders from guests, make orders and trained new employees.

#### **Moder Patshala, tutor** 2012-2014

- Tutored in summer enrichment programs and after school programs

#### **Customer Service Associate, 7 Eleven** 2011-2013

- Assisted managing the entire store by taking customer concerns and helping them in purchasing stuffs.

### Activities:

#### **Player, Temple Badminton Club** 2018-present

- Player and member of the Temple Badminton Club. Also, coach incoming players.

#### **Player, Temple Cricket Club** 2017-present

- Player and coordinator of this club. I manage the team list and organizing matches with other universities.

#### **Member, Bangladesh Student Association** 2018-present

- Member of Bangladesh Student Association to practice and show my ethnicity representation to the other groups on campus.

#### **Member, Muslim Student Association** 2017-present

- A member to represent as Muslim in the community and participating in different on campus activities.

#### **Member and player, Philadelphia Metropolitan Cricket League** 2016-present

- A member and player in the Philadelphia Cricket League.

#### **Treasurer, CCP Chemistry Society** 2015-2016

- I was in charge of coordinating events, meetings, collect funds and secure it for future events.

#### **Member, Penn State Pre-med club** 2013

- A member and assistant of the president to assist in coordinating events.

### Awards, Achievements and Honors

60-Hour Core Medical Interpreting Certification of Completion 2015

National Honor Society 2011-2013

### Publications

Akhter, F.; Arman, M.; Benson, N.; Thomas, K.; Lane, S.; and Sidorenko, A. Investigations of 2-(4'-hydroxyphenyl-azo) benzoic acid in various solvents. 43rd American Chemical Society Mid-Atlantic Regional Meeting, Baltimore, MD, May 2012

Publications of nonfiction writing at Community College of Philadelphia Limited Edition Magazine.

**Additional Informations**

**Languages:** English, Bengali, and Hindi/Urdu

**Computer Skills:** Microsoft Word, Microsoft Excel, Microsoft PowerPoint

**Interests:** Soccer, Cricket, Cooking, Writing, Swimming, Running, Hiking, Photography

**References:** Available upon request