

# Halima Akhter

(681) 285-9995 | [LinkedIn Profile](#) | [Google Scholar](#) | [Github](#) | halimaakhter014@gmail.com

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## Technical Skills

*Programming Languages: Python, Java, R, C, C++, SQL*

*Machine Learning & AI: Deep Learning, Computer Vision, Bioinformatics, Graph Neural Networks*

*Cloud & DevOps: AWS, Azure, Docker, Linux*

*Tools & Libraries: PyTorch, TensorFlow, Scikit-Learn, Git, Jupyter, Pandas*

*Data Analysis: Bioinformatics, RNA-Seq, ChIP-Seq, ATAC-Seq, Statistical Analysis, Data Visualization*

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## EDUCATION

**West Virginia University**, Morgantown, WV  
Doctor of Philosophy in Computer Science  
CGPA: 3.78

Anticipated Graduation: Dec 2025

### Relevant Coursework

Pattern Recognition | Data Mining | Big Data | Applied Neural Network | deep learning | String Algorithms | Advanced Algorithm analysis | Natural Language Processing (NLP) | Computer Vision

**Stamford University, Bangladesh**  
B.Sc. in Computer Science and Engineering  
CGPA: 3.86

May 2010 - Sep 2014

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## PROFESSIONAL EXPERIENCE

**Hu's Lab, West Virginia University, Morgantown, WV, USA**  
*Graduate Research Assistant*

January 2021– Present

- Building machine learning algorithms leveraging bioinformatics data for insights into sequencing and epigenetic profiles.
- Building computational pipelines for RNA-Seq, ChIP-Seq, and ATAC-Seq data processing.
- Contributing to collaborative research projects involving bulk and single-cell sequencing techniques, leading to peer-reviewed publications.

**Tech Industry, Bangladesh**  
*Senior Software Engineer*

Jan 2016 – Dec 2020

- Led mobile app development projects, focusing on user experience and backend optimization.
  - Designed and implemented scalable software solutions, emphasizing efficiency and performance.
  - Developed and deployed API integration libraries, improving data processing speed by 25%.
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## WORK HISTORY

<b>Hu's Lab, West Virginia University, Morgantown, WV</b> <i>Graduate Research Assistant</i>	Jan 2021– Present
<b>Medina Tech, Bangladesh</b> <i>Lead Mobile App Developer</i>	Aug 2020 – Dec 2020
<b>Wipro Limited, Bangladesh</b> <i>Senior Software Engineer</i>	July 2019 – May 2020
<b>Third Space lab, University of Toronto</b> <i>Software Scientist (Remote)</i>	Apr 2018 – Jun 2019
<b>Genuity Systems Limited, Bangladesh</b> <i>Software Engineer, iOS Developer</i>	Jan 2017 – Sep 2017
<b>AjkerDeal, Bangladesh</b> <i>Software Engineer</i>	Mar 2016 – Dec 2016