

## Palash Saha

Lecturer, Dept. of CSE, Hamdard University Bangladesh

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## RESEARCH INTERESTS

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Machine Learning, Deep Learning, Natural Language Processing, Large Language Models, Health Informatics

## EDUCATION

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**Hamdard University Bangladesh**

Bachelor of Science in Computer Science and Engineering

2013 — 2017

Cumulative GPA: 3.91/4.00

## TEACHING EXPERIENCE

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**Hamdard University Bangladesh**

*Lecturer*

Munshiganj, Bangladesh

December 2018 — Present

- Creating course material, lesson plans, and curricula.
- Taking theory and Lab classes
- Conducting research and fieldwork, engaging with students, and assisting with project work.
- Attending interviews, conferences, and organizational meetings.

## SUPERVISED PROJECTS

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**An Ad-hok Network Development with WPA Integration for Smart Home- A Simulation Study**

December 2023

- Student name: Afrina Jahan, ID: 315192015

**A Proposed Web Based Online Crime Report Management System**

December 2023

- Student name: Khadiza Iqbal, ID: 315192025

**An Android Based Information Management System of Hamdard University Bangladesh "E-campus"**

August 2023

- Student name: Md. Khaled Hasan, ID: 315181019
- Student name: Sohag Sarker, ID: 315181021

**Web Based Cryptocurrencies Exchange System "Bswap"**

August 2023

- Student name: Md. Mahede Hasan, ID: 315181022

**Online COVID-19 Testing Management System**

December 2021

- Student name: Sharif Hossain, ID: 315173017
- Student name: Farzana Islam Emo, ID: 315173012

**Design and Development of Online Used Book Buying and Selling Platform for University Students**

August 2021

- Student name: Md. Tanvir Hossain, ID: 315171013
- Student name: Md. Saiful Islam, ID: 315172002

## PUBLICATIONS

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**Conference paper**

Accepted for oral presentation in ICDMIS 2024 and publication in Springer LNNS series

- Leveraging NLP and ML for Sentiment Analysis of In-formal Bangla Text: A Social Media Comment Analysis Tool for Page Owners

**Conference paper**

Submitted STI 2024

- Real-Time Anomaly Detection in Web Server Logs Using Hybrid Clustering and Machine Learning Classifiers

**Conference paper**

Submitted COMPAS 2024

- Deep Reinforcement Learning for Enhanced Stock Market Prediction with Fine-tuned Technical Indicators

**CERTIFICATE COURSES**

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**CCNA: Routing and Switching**

- Module 1: IPv4, Subnet Mask, Ethernet, Topology
- Module 2: Basic Switching, Dynamic Routing Protocols, VLAN, ACLs, DHCP, DNS, NAT
- Module 3: OSPF, IGRP, BGP
- Module 4: SSH, Telnet

**Database Management and Administration**

- ORACLE 11g
- SQL
- RDMS

**Web Application Development**

- HTML, CSS, JavaScript
- PHP, MySQL

**AWARDS**

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**Merit Scholarship**

Scholarship given based on semester result

Hamdard University Bangladesh

**Intra-University Project Showcasing Program-2014**

Runner-up

Hamdard University Bangladesh  
2014**Intra-University Project Showcasing Program-2015**

2nd Runner-up

Hamdard University Bangladesh  
2015**OTHER EXPERIENCES**

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**ACM-ICPC Programming Contest***Coach*Dhaka  
2021

- Team name: HUB\_Coders

**Intra-University Programming Contest***Problem Setter*Hamdard University Bangladesh  
2021

- Five different problems

**Study Tour***Organizer*Hamdard University Bangladesh  
2021, 2022**ENGLISH & GRE TESTS**

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**IELTS (Academic): 7.0** (overall score)Listening: 6.5 — Reading: 8.0  
Speaking: 5.5 — Writing: 7.0  
Test date: July 2023**GRE General Test: 322**Verbal Reasoning: 164 & Quantitative Reasoning: 158  
Analytical Writing: 3.5  
Test date: April 2024**TECHNICAL SKILLS**

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- **Programming:** Python, Java, C, C++, Assembly

- **Web Technologies:** HTML, CSS, JavaScript, PHP, Django
- **Database Technologies:** Oracle, MySQL, PL/SQL
- **Tools and Frameworks:** PyTorch, TensorFlow, Scikit-learn, Laravel
- **Simulator:** Matlab, CISCO Packet Tracer, Blender
- **Technical Writing:** LATEX

## PROFESSIONAL AIM

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To obtain a PhD degree in the field of Computer Science.