

# Palash Saha

Lecturer, Dept. of CSE, Hamdard University Bangladesh

[pkhubcse@hamdarduniversity.edu.bd](mailto:pkhubcse@hamdarduniversity.edu.bd) — [+8801816053415](tel:+8801816053415) — [GitHub](#) — [Organization page](#)

## RESEARCH INTERESTS

---

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

## EDUCATION

---

**Hamdard University Bangladesh**

2013 — 2017

Bachelor of Science in Computer Science and Engineering

Cumulative GPA: 3.91/4.00

## TEACHING EXPERIENCE

---

**Hamdard University Bangladesh**

Munshiganj, Bangladesh

*Lecturer*

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

---

**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

---

**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**

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

- Integrating IoT and Machine Learning for Real-Time Disease Prediction Through Air Quality Monitoring

**Conference paper**

Accepted for COMPAS 2024

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

**CERTIFICATE COURSES**

---

**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**

---

**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**

---

**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**

---

**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**

---

- **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

---

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