Palash Saha

Lecturer, Dept. of CSE, Hamdard University Bangladesh
pkhubcse@hamdarduniversity.edu.bd — +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 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 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
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

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   Hamdard University Bangladesh
Scholarship given based on semester result

Intra-University Project Showcasing Program-2014   Hamdard University Bangladesh
Runner-up   2014

Intra-University Project Showcasing Program-2015   Hamdard University Bangladesh
2nd Runner-up   2015

OTHER EXPERIENCES

ACM-ICPC Programming Contest   Dhaka
Coach   2021

- Team name: HUB_Coders

Intra-University Programming Contest   Hamdard University Bangladesh
Problem Setter   2021

- Five different problems

Study Tour   Hamdard University Bangladesh
Organizer   2021, 2022

ENGLISH & GRE TESTS

IELTS (Academic): 7.0 (overall score)   **GRE General Test: 322**

Listening: 6.5 — Reading: 8.0   Verbal Reasoning: 164 & Quantitative Reasoning: 158
Speaking: 5.5 — Writing: 7.0   Analytical Writing: 3.5
Test date: July 2023   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.