

PARTHA BHOUMIK

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Professional Experience

bKash Limited

February 2023 - Present

Intern, Service Operations, Product & Technology

- Developing "Merchant Demo Portal," a sophisticated web application that adheres to the Model-View-Controller (MVC) architectural pattern. Utilizing the Laravel framework and MySQL database, designed to provide seamless access to various environments such as Sandbox, Production, or UAT through a unified platform. This platform streamlines the API testing process, enhancing overall efficiency and effectiveness.
- I am also implementing Cypress for automating some of the testing processes, ensuring consistency in testing procedures, and identify potential issues before they impact the end-users.

BRAC University

Fall'2021 - Fall'2022

Student Tutor (Undergraduate Teaching Assistant)

- Courses Taught: CSE110(PROGRAMMING LANGUAGE I), CSE111(PROGRAMMING LANGUAGE II), CSE260 (DIGITAL LOGIC DESIGN).
- Helped students during their lab sessions.
- During my consultation time solved the queries of students mainly helping them understand the logic behind the code, different topics related to python, and how a circuit is functioning.
- Took physical sessions to solve their last moment queries.
- Graded both theory and lab assignment scripts.

Education

BRAC University

January 2019 - January 2023

B.Sc in Computer Science Engineering

- Courses: OOP in Java, Data Structures, Algorithms, Compilers, Operating Systems, Database Systems, Computer Architecture, Microprocessors, Computer Interfacing, Computer Networking, Introduction to Robotics, Artificial Intelligence, Software Engineering, System Analysis and Design, Cryptography and Cryptanalysis, Blockchain and Cryptocurrencies, Introduction to Cybersecurity by Cisco.
- Cgpa: 3.98
- Credits completed: 136

NOTRE DAME COLLEGE

July 2016 - July 2018

HSC, Science

- Gpa: 4.83

Bindu Basini Govt. Boys' High School

January 2011 - January 2016

SSC, Science

- Gpa: 5.00

Skills

Languages: Java, PHP, Python, Assembly, VHDL, Solidity.
Technologies: MySQL, MongoDB, HTML, Cypress, Latex, MS Office.
Framework: Laravel

Academic Projects

- A HTML, CSS, MySQL and PHP based prototype website “online recruitment portal”
- “garage Guru” A HTML, CSS, MySQL and PHP based prototype website for managing car garages.
- Smart Management of Livestock Farming and Irrigation of Crops
- Smart Irrigation System
- A network structure design for an ISP called “Fastest”
- An “online bike parts and repair shop” (website made following MVC pattern, framework: laravel)

Professional Projects

- “Merchant Demo Portal” (website made following MVC pattern, framework: laravel)

Research

Undergraduate Thesis

January 2022 - January 2023

Title : Non-clinical covid19 diagnosis on CT-Scan, Chest X-Ray, and respiratory patterns using Deep-Learning and Signal Processing.

Supervisor : Dr. Muhammad Iqbal Hossain

Accomplishment

- Completed Bachelor’s with Highest Distinction (Awarded to candidates whose CGPA is 3.80 or higher).
- Got placed on Vice Chancellor’s List for 10 times during Bachelor’s (Awarded as recognition of achieving a GPA of 3.90-4.00 on a particular semester).
- Got placed on Dean’s List for 1 times during Bachelor’s (Awarded as recognition of achieving a GPA of 3.70-3.89 on a particular semester).
- Merit-based Scholarship recipient for 8 consecutive semesters. (50%, 75% waiver on Tuition Fees in every semester).
- 3rd position in GPxCISCO 4IR Python quiz.