



PARTHO BALA

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Dhaka, Bangladesh

Objective

I am a dedicated problem solver. I am passionate about learning new things and utilize my knowledge of programming and problem solving in the field of programming and development for the best performance and creativity of complex systems.

Experience

CloudCamp Bangladesh

(January 2021- June 2021)

Position: Cloud Developer Virtual Intern

-Work with Backend Developer Team to build a Chatbot using AWS services.

Purple IT Limited

(January 2019-February 2019)

Position: Web Developer Intern

-Built an inventory management system web application.

Formal Education

Bsc in Computer Science and Engineering (2016-2020)

Bangabandhu Sheikh Mujibur Rahman Science and Technology University

CGPA : 2.75 out of 4.00

Certifications

Microsoft Azure Fundamentals

Bangladesh Hi-Tech Park Authority and Corporate Projukti Limited

Learned Azure cloud concepts, core Azure services, security, privacy, compliance, and pricing.

Building Modern Python Applications on AWS.

Coursera

Learned AWS services like Api Gateway, Lambda, Serverless, X-Ray, CloudWatch.

Skills

Programming Language: Python, C/C++ , Java, Javascript.

Framework: Django, Django Rest Framework, Vue, Bootstrap.

Database: Mysql, Sqlite, PostgreSQL, Redis.

Python Libraries: Scikit-learn, Keras, Matplotlib, BeautifulSoup.

Cloud: AWS(Fundamental), AZURE(Fundamental), Heroku.

Other: Git, Linux.

Projects

- **Auction Site** ([Live](#), [Code](#))

A simple e-commerce site like ebay where user can add products for auction. User can also bid items before the end of auction. After ending of an auction a winner of that auction is announced.

Technology Used: Django, PostgreSQL, Bootstrap.

- **Distance Learning** ([Code](#))

An e-learning platform where instructor can add course materials and student can enroll course online. A group chat system also added to discuss about course topics.

- Use **AJAX** to build a custom reordering system so that course module and content can be easily reordered.
- For chat server use **Redis** for enabling channel layer, implement **Websocket** and use **Channels** to make server fully asynchronous.
- Build a RESTful **API** with JSON serialization.

Technology Used: Django, JQuery, Redis, HTML/CSS.

- **Bengali Clickbait Detection Using NLP**

A NLP application which can detect whether the news is clickbait or not by performing sentiment analysis on news headlines.

- Build a dataset by collecting different types of clickbait and authentic news headlines.
- Perform different types of ML models and build neural networks to get score up to 81%.

Technology Used: Python, Scikit-learn, Gensim, Keras, Tensorflow.

- **Personal Blog** ([Code](#))

A simple blog application where viewers can search, comment on blog post and also can subscribe RSS feed.

Technology Used: Django, PostgreSQL, Bootstrap.

- **Online Voting Dapp** ([Code](#))

A decentralized online voting web application using Blockchain.

Technology Used: Ethereum, Solidity, Node.js, Bootstrap.

- **Inventory Management System** ([Code](#))

A web application based inventory management system.

Technology Used: PHP, MySQL, Bootstrap.

Extra Curricular Activities

- Contestant at Nasa Space Apps Challenge 2019 (Regional Finalist).
- Academic Member and Volunteer of National High School Programming Contest (NHSPC) - 2016-2017.
- Contestant at UGB ICT Carnival.

Interests & Hobbies

- Like to solve algorithmic problems from different online judges and try to participate in online contests. I have solved 250+ problems from different online judges. Profile link: <https://www.stopstalk.com/user/profile/haloom>.
- I have a keen interest in CyberSecurity. Whenever I get time I try to solve CTF problems and also read blogs on different topics of cybersecurity.
- For being a research mindset person, I try to keep myself updated by learning different technologies like Quantum Computing, NLP, Blockchain etc.