

# Pulock Das

✉ pulockkamol50@gmail.com   in linkedin.com/pulock   🌐 github.com/pulockDas   ☎ +8801756081609

## SKILLS

- Backend Development | Java, Python, Spring, Django, SQL
- DevOps | CI/CD, Docker
- Front End Development | Angular, Redux, Bootstrap, HTML, CSS
- Miscellaneous | Git, RabbitMQ, Shell, jQuery, C++

## PROFESSIONAL EXPERIENCE

### Software Engineer, Tallykhata

02/2023 – present

- Established Robust CI/CD Pipelines with Jenkins and GitLab, reducing deployment times, minimizing errors, and enhancing overall development efficiency while ensuring comprehensive test coverage.
- Implemented horizontal scaling for RabbitMQ, ensuring high availability by clustering multiple nodes to enhance message queue processing capabilities. This optimization improved system performance and overall reliability of the messaging system.
- Integrated Connection Pooling for Database Connections optimization, reducing application latency and enhancing user experience. This enhancement also improved resource management, ensuring optimal utilization of database connections and minimizing potential bottlenecks.
- Contributed to the optimization of the existing Notification system, implementing a mechanism to initiate external notification service calls in chunks. This approach improved the processing efficiency of numerous messages in the queue and streamlined the bulk calling of specific services, enhancing the overall efficiency of the notification system.
- Designed and Developed Vue Single Page Application UI features for Web Portals, collaborating with standard Spring and Django backend APIs for a seamless and responsive user experience. This initiative resulted in a modern and user-friendly portal, improving user engagement and satisfaction.
- Integrated New Payment Methods into the Tallykhata application, enhancing its functionality and providing users with diverse and convenient payment options. This initiative streamlined the payment process, resulting in increased customer satisfaction and a more robust revenue stream for the organization.

### Software Engineering Intern, Tallykhata

10/2021 – 05/2022

- Contributed to the Credit Collection Feature of Tallypay, participated in the development demonstrating proficiency in Django Rest Framework and middleware integration.
- Developed a robust API throttling mechanism in Django, demonstrating expertise in Django and contributing to enhanced system performance and reliability.
- Designed and Implemented essential API endpoints in both Django and Spring frameworks, incorporating thorough validation to ensure data integrity and security.
- Developed Producer-Consumer structure utilizing message queue, enhancing system architecture for efficient and scalable data processing. This implementation facilitated seamless communication and coordination between components, contributing to improved system performance and responsiveness.
- Acquired proficiency in Scrum work culture, honing effective communication skills within an agile team environment. This experience fostered collaborative workflows, enhancing adaptability and contributing to successful project outcomes.
- Utilized essential tools such as GitLab, Jira, JMeter, and Jenkins to streamline project workflows, ensuring efficiency and adherence to best practices in version control, issue tracking, performance testing, and continuous integration

## PUBLICATION

01/2024

**Verse-Based Emotion Analysis of Bengali Music from Lyrics Using Machine Learning and Neural Network Classifiers**

, International Journal of Computing and Digital System

Authors: Pulock Das, Maraz Mia, Dr. Ahsan Habib

## EDUCATION

### BSc. (Eng.) in Software Engineering

01/2018 – 03/2023 | Sylhet, Bangladesh

Shahjalal University of Science and Technology, CGPA: 3.63




### Higher Secondary School Certificate

2015 – 2017 | Dhaka, Bangladesh

Notre Dame College, GPA: 5.00

## HONORS & AWARDS

---

*Neural Networks and Deep Learning*  | *Leetcode, Badge: Data Structure-1*  | *Linkedin Skill Badge: OOP* 

## PROJECTS

---

### **CGPA Evaluation**

Batch and Course wise CRUD operations and relational schema handling. **Tech: Angular, Bootstrap, NodeJS, MongoDB**

### **File Transfer System**

Networking Lab project with interactive interface to transfer files between server and client. **Tech: Java Socket, Java Swing**

### **CricBoss**

Web application to select best players in a cricket academy. **Tech: PHP, Handlebars, MySQL**

### **SkyForce-Game**

Space game where player should float against gravity and complete challenges. **Tech: Java AWT, Swing**

### **Easy-Class**

Class & Exam reminder for students. **Tech: JAVA, PHP**

### **Hulk Game**

A 2D game to smash obstacles and proceed forward. **Tech: C++, SFML**

## INTERESTS

---

Music | Out Door Games | Historical TV & Web Series | Reading Novel