

MD JUBAYER ISLAM

Building software and reliable automated workflows

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Education

CGPA 3.07/4.00

B.Sc. in Computer Science & Engineering

Southeast University

GPA 5.00/5.00

Higher Secondary Certificate (HSC)

Cumilla Model College

GPA 4.89/5.00

Secondary School Certificate (SSC)

Police Line High School, Cumilla

Skills

Programming Languages

C · C++ · Java · Python · JavaScript · React

Frameworks & Technologies

Spring Boot · Spring Security · Spring Data JPA · Thymeleaf

Databases

MongoDB · MySQL · PostgreSQL

About Me

I focus on transforming ideas into functional applications and delivering them through reliable, automated workflows. My hands-on experience combines Java and Spring Boot with Docker containerization, CI/CD pipelines using GitHub Actions, and cloud deployments on AWS EC2 with Nginx and HTTPS. I am further expanding my expertise in infrastructure automation with Terraform, continuous integration with Jenkins, container orchestration using Kubernetes, and system monitoring and observability with Prometheus and Grafana.

Projects

Personal Cloud Infrastructure

Built and managed a personal cloud server on AWS, integrating Docker, automated CI/CD pipelines, Nginx reverse proxy, HTTPS, and system monitoring with Prometheus and Grafana.

CholoBodlai

It's a final-year website that connects people and businesses who need to move goods (Shippers) with registered truck owners (Owners). With a biding system and tracking system in it.

YOLO Live Candy

It is a computer-vision learning project where a camera feed is processed by a trained YOLO object-detection model to identify candy items.

Heli in Sky

Heli in Sky is a 3D computer graphics project created in C++ using OpenGL/GLUT. It demonstrates scene rendering, transformations and lighting in a helicopter-in-the-sky setting.

Tea Leaf Disease Classifier

Tea Leaf Disease Classifier is an AI-powered computer vision project that I developed to identify diseases in tea leaves using deep learning.

Skills

Version Control & CI/CD
Git · GitHub · GitHub Actions · Jenkins

Containerization & Orchestration
Docker · Docker Compose · Kubernetes

Cloud & Infrastructure Automation
AWS · Terraform

Operating Systems & Web Servers
Linux · Nginx

Monitoring & Observability
Prometheus · Grafana

References

Prof. Dr. Abdul Kadar Muhammad Masum

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Md. Mijanur Rahman

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Publications

Reliable Kidney CT Classification via Near- Duplicate Slice Auditing and Cluster-disjoint Evaluation

2026 · Natore, Bangladesh

Authors Md Jubayer Islam, Safayet Ullah, Md Mijanur Rahman*

Causal Effect-Aware Feature Encoding with BanditBoost NeuroForest for Explainable Network Intrusion Detection

FMLDS 2026 · Kobe, Japan

Authors Md. Jubayer Islam, Safayet Ullah, Md. Zubayer Islam Shibly, Abdul Kadar Mohammad Masum*

An Interpretable Framework for Early Lung Cancer Prediction Using Graph Fusion and Role Stability for Robust Feature Selection with TabFGT

IEEE WIECON-ECE 2026 · Sydney, Australia

Authors Safayet Ullah, Md Jubayer Islam, Md. Zubayer Ahmad Shibly, Al-Amain, MD Masum Billah, Tarem Ahmed, MM Mahbubul Syeed

Courses

CPTE — Certified Penetration Testing Engineer

Professional certification in penetration testing methodologies, vulnerability assessment, and security evaluation.

11/2025 - 11/2026

Applied Penetration Testing Engineer

Completed 87 hours of practical penetration testing training focused on hands-on cybersecurity and security assessment techniques.

Certificate ID: EDGE-CSE-CUET-DST-2025-P-9876

TryHackMe — Pre Security Learning Path

Completed 4 July 2026 · 19 hours 10 minutes

Foundational cybersecurity training completed through TryHackMe.

Certificate ID: THM-XRA7BP7VCT