



Md Raufur Rahman

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👤 [https://github.com/raufur-
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👤 [https://gitlab.com/
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ABOUT ME

I'm Md. Raufur Rahman, a software engineer experienced in backend development and cloud computing. I design and implement scalable microservices using Python with frameworks like Flask, and I deploy and manage them using Docker and Kubernetes. I am also proficient in service automation using Ansible and shell scripting. I am also experienced in artificial intelligence. My expertise in data science encompasses machine learning for feature extraction and result prediction from intricate datasets, statistical analysis, and computer vision for video classification. My areas of interest are Cloud, DevOps, and robotics. I am also highly motivated to go for higher studies in the field related to computer science.

WORK EXPERIENCE

01/01/2023 – CURRENT DHAKA

Cloud Software Engineer InterCloud Limited

- Design and development of backend systems and services. This includes designing APIs and building micro services.
- Integration of Cloud Services. Working with services like EC2, IAM, Notification, Load Balancer and more.
- Improvement of system performance and scalability
- Deploy and manage service with docker and kubernetes.
- Service automation using ansible and shell scripting
- Ensure the security of the system by implementing authentication and authorization.
- Monitoring and logging to detect issues and troubleshoot problems.
- Database Management
- Implement CI/CD pipelines to automate deployment

Business or Sector Information and communication | **Department** Brilliant Cloud | **Website** <https://intercloud.com.bd/>

EDUCATION AND TRAINING

23/02/2017 – 12/09/2022 Chittagong

Bachelor of Science in Computer Science and Engineering Chittagong University of Engineering and Technology

- Programming
- Data Structures and Algorithms
- Databases
- Artificial Intelligence and Machine Learning
- Data Science
- Software Engineering
- Web Development
- Human-Computer Interaction(HCI)
- Computer Architecture
- Operating Systems
- Computer Networks
- Computer Graphics

Website <https://cuet.ac.bd/> | **Field of study** Computer Science and Engineering | **Final grade** 3.45 | **Thesis** Umpire Gesture Recognition using Deep Learning Approach

LANGUAGE SKILLS

MOTHER TONGUE(S): Bengali

Other language(s):

English

Listening B2

Reading C1

Writing B1

Spoken production B1

Spoken interaction B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Docker | Kubernetes | Ansible | Jenkins | Confluence | Git | Jira | Linux | Scripting BashCMD (Base) | Graphana | MySQL, Postgres, Redis, RabbitMq | Mongodb / Mongoose | API Python frameworks: Flask, FastAPI - Uvicorn | Async Workers (Celery, RQ) | Apache NGINX | Python | C++ | C | RestAPIs

ADDITIONAL INFORMATION

Projects

03/2024 – CURRENT

Kubernetes As a Service

- Working as a backend developer in this cloud service. This service is responsible for creating and configuring kubernetes cluster based on user requirements.
- **Utilized:** Flask, Celery, Ansible, Docker, MongoDB, Brilliant Cloud (Instance, Vpc, Subnet, S3)

15/01/2024 – 20/02/2024

Autoscaling As a Service

- Contributed as a backend developer for this service. This service is responsible for horizontal scaling of Instances based on usage statistics (cpu usage, ram usage). User can setup their requirements like maximum capacity, minimum capacity, utilization percentage.
- **Utilized:** Flask, Celery, MongoDB, Docker, Brilliant Cloud(Instances, Vpc, Load Balancer).

Cloud Admin Portal

- Contributed as a backend developer for this project.
- This application is basically an admin portal used by admin users.
- **Utilized:** Flask, MongoDB, Docker, Brilliant Cloud (S3, Instances)

Link <https://ca.brilliant.com.bd/>

CI/CD Pipeline for Remote Cluster

- Built CI/CD pipeline for automatic integration and deployment of services into remote kubernetes cluster.
- **Utilized:** Jenkins, docker, kubernetes, gitlab, kubernetes, Brilliant Cloud(Instances)

MicroBlog

- It is a simple web application where user can create account, post something, send message to other user, follow or unfollow other user, can see other user's post, search user by their name or post.
- **Utilized:** Python, Flask, Celery, Docker, Docker-compose

Link https://gitlab.com/RaufurRahman/flask_work

Online Market

- This is a simple web application where user can buy and sell product based on their credit.
- **Utilized:** Python, Flask, Docker, Redis, Brilliant Cloud.

Link https://gitlab.com/RaufurRahman/online_market

Problem Solving

LeetCode

Solve Approximately **250** problems.

Link <https://leetcode.com/Raufur/>

Code Forces

Solve more than **300** problems and participates in online contests.
Max Rating-**1396**

Link https://codeforces.com/profile/Raufur_7770/

Hobbies and interests

- Traveling
- Sports
- Reading