






# MD. ASHRAFUL HOSSAIN ALIF

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## ✓ Professional Summary

Software Developer with almost 3 years of experience specializing in MERN Stack development, AI-driven cloud automation and applied AI engineering. Proven track record of independently developing an AI-driven performance system for telecommunications, creating web applications for sister companies of Mir Group and automating cloud services through research and innovative problem-solving. Skilled in Python, Django, JavaScript, React, TypeScript, Node.js, Next.js and machine learning frameworks such as PyTorch and TensorFlow. Experienced in database design and management with MySQL, PostgreSQL and MongoDB. Known for delivering scalable, efficient software solutions and providing ongoing client support and updates.

## Work Experience

### Developer & Applied AI Engineer at Mir Group Limited

August 2023 – Present | Dhaka, Bangladesh

- Conducted research and developed AI-driven automation solutions for cloud services at MirCloud, collaborating with a 9-member team focused on backend development enhancing cloud infrastructure efficiency.
- Independently designed and developed performance systems and web applications for Mir Telecom & Bangla Telecom with managed database ensuring robust data storage and retrieval for multiple applications.
- Utilized technologies including JavaScript, Node.js, React, TypeScript, Python, Django, FastAPI, REST APIs and machine learning frameworks like NumPy, Pandas, PyTorch and TensorFlow to build scalable and efficient software solutions.
- Led deployment and implementation of three major company solutions using Docker and Kubernetes.
- Conducted comprehensive testing, debugging and optimization of cloud services and databases, enhancing system reliability and performance.
- Provided ongoing client support and updates post-deployment, maintaining strong client relationships and system relevance.
- Collaborated with cross-functional teams to gather requirements, design solutions and deliver projects on time, contributing to the overall success of Mir Group's technology initiatives.

## Education

### BSc in Computer Science & Engineering at American International University Bangladesh

May 2023 | Dhaka, Bangladesh

CGPA: 3.84

### Higher Secondary School Certificate at Dhaka Residential Model College

December 2019 | Dhaka, Bangladesh

GPA: 4.83

### Secondary School Certificate at Jugnidah Hazi Mahtab Ali High School

June 2017 | Rajshahi, Bangladesh

GPA: 5.00

## Volunteering & Leadership

### Assistant General Secterary at AIUB Computer Club

January 2020 – May 2023 | Dhaka, Bangladesh

- Organize National Event CS fest, Cyber Gaming fest, Jarvis and editor in different events from ECPP

### Co-Convener at BASIS Student's Forum of AIUB Chapter

January 2022 – December 2023 | Dhaka, Bangladesh

- Managing BASIS event's from AIUB Computer Club side & On campus activation for Soft Expo , NASA Space App challenge , manage and lead the programs

## General Member at DRMC Science Club

July 2017 – December 2019 | Dhaka, Bangladesh

- Volunteer in National Science fest, Gaming fest.

## Certifications

### IBM DevOPS, Cloud and Agile Foundations at Coursera

September 2025

### IBM Docker for Beginners at Coursera

August 2025

### Get the most out of Rovo at Atlassian

December 2025

### OCI Generative AI at Oracle

December 2025

## Skills

JavaScript, Node.js, Next.js, React, React Native, TypeScript, Python, Django, REST APIs, Machine Learning (PyTorch, TensorFlow), Database Management (MySQL, PostgreSQL, MongoDB, Redis), Docker, Kubernetes, Git & Git Lab, Data Analysis (NumPy, SciPy, pandas, Matplotlib), Linux, SQL, Cloud (AWS, Azure, GCP), Powershell, CI/CD Pipelines, Saas Application, Terraform, ORMs, GraphQL

## Projects

### Mir Cloud Ltd

January 2024 – August 2025

- Provide portal & cloud services for different types of users (Admin, Client) for Mir cloud and Coloasia (Data Center)

### Zan Communication Ltd

February 2025 – October 2025

- National and International commercial SMS selling platform for customers with different types of industrial SMS services

### Zan Footwear Ltd

January 2025 – November 2025

- This site is developing for totally export based new footwear industries of Mir Group

### BTL Performance System

November 2023 – July 2024

- Process raw CDR file which is generated from switch then monitor call performance in ICX layer

## Languages

English (Fluent), Bangla (Native)

## References

### Muhammad Rakibul Islam from Mir Group Limited

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