

MD ARIFUR RAHMAN ANIK

Python Developer and cloud practitioner

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AI/ML AND DEVOPS ENTHUSIAST

Python Developer and cloud practitioner focused on scalable ML and DevOps solutions. Driven to bridge data insights with business needs, streamline digital processes, and support data-informed decisions. Eager to contribute to projects that blend technical quality with real-world impact.

Experiences: Total: 2 Years +

PROFESSIONAL EXPERIENCE

10/2023 – Present

Python developer

Jobdesk Ltd

Key Projects and Accomplishments:

1. Project Name: Deployed ElasticSearch Cluster with three Nodes in NGINX and created some data ingestion Api using Python.
 - Technology: Python, Unicorn, elasticsearch, Kibana.
 - Description: Deployed a cluster for elasticsearch, can store bulk data with embedding and can search semantically on those data.
2. Project Name: Deployed Ollama (LLAMA2) model in NGINX.
 - Technology: ML, Python, llama2, Nginx, DevOps
 - Description: Deployed a Ollama based ML model in production which is responsible for recreate the job description.
3. Project Name: Application Deployment and Optimization (Worked as an analyst and developer)
 - Technology: Python, Server: Nginx and Apache
 - Description: Led the deployment of over 50 applications across Nginx, Apache, Kubernetes, and Ingress. Optimized configurations to enhance reliability, load balancing, and fault tolerance, significantly boosting server efficiency and scalability.
4. Project Name: Geolocation and Travel-Time Query Service (Role: Installer and Configurator)
 - Technology: Nominatim, PostgreSQL
 - Description: Installed and configured Nominatim and Isochrone services, enabling precise. geographical data handling and travel-time-based querying. Enhanced mapping and location- based capabilities to improve spatial data accuracy and enable sophisticated geolocation features.
5. Project Name: Scalable Web Scraping Engine (Role: Developer)
 - Technology: Python, Scrapy, Selenium
 - Server: Nginx
 - Description: Developed and deployed a scalable web scraping engine using Scrapy on Nginx, processing structured and unstructured data from over 500 websites. Integrated Selenium for dynamic data extraction, resulting in a robust solution for high-volume, multi-source data gathering.
6. Project Name: Containerized Deployments and CI/CD Integration (Role: Pipeline and Cluster Manager)
 - Technology: Docker, Jenkins, Kubernetes

- Description: Established CI/CD pipelines using Jenkins and Docker, automating build and deployment processes for faster, more consistent releases. Managed Kubernetes clusters to orchestrate Docker containers, enabling scalable and resilient application updates.
7. Project Name: Redis Caching for High-Traffic Applications (Role: Integration Specialist)
 - Technology: Redis, Python
 - Description: Integrated Redis caching in high-traffic applications, significantly improving response times by reducing latency and enhancing application performance under heavy load.
 8. Project Name: Advanced NLP and Machine Learning Solutions (Role: ML Engineer)
 - Technology: TensorFlow, OpenCV, BERT, Python
 - Description: Developed NLP solutions using LLM and BERT embeddings for text classification. Deployed a production-ready image detection API utilizing TensorFlow and OpenCV, achieving high accuracy in image recognition across various applications.
 9. Project Name: Job Post Refactoring and Location Extraction API (Role: Developer)
 - Technology: Nominatim, PostgreSQL, Python.
 - Description: Engineered a tool to clean and structure job post data, integrating Nominatim with PostgreSQL for precise location extraction. This tool improved data quality, making location-based searches and job data retrieval more efficient.
 10. Project Name: Document Processing API Suite (Role: API Developer)
 - Technology: Python, PDF processing libraries.
 - Description: Designed and deployed a suite of APIs for document processing, including a PDF merger, PDF image extractor, and PDF text extractor. Tailored to streamline document workflows, these APIs enhanced productivity in production environments by simplifying document-related tasks.

11/2022 – 05/2023
Niketon, Gulshan-1,
Dhaka

Junior Machine Learning Engineer

JobXprss Limited, Niketon, Gulshan-1, Dhaka

- Automated an e-commerce platform by scraping 15,000 product listings from Startech and seamlessly uploading the data to a WordPress localhost, enhancing the website's product offerings.
- Implemented robust data scraping workflows using Selenium, Scrapy, and API integration to automate job data extraction from diverse websites, supporting a high volume of data ingestion.
- Managed end-to-end data scraping projects, ensuring quality control and the timely delivery of accurate data, which streamlined integration into the company's recruiting platform.
- Enhanced data retrieval processes, improving efficiency and accuracy, contributing directly to maintaining up-to-date listings on the platform.

11/2021 – 05/2023
Niketon, Gulshan-1,
Dhaka

Junior Machine Learning Engineer(Intern)

Ishraq Solutions Limited, Niketon, Gulshan-1, Dhaka

- Gained hands-on experience in computer vision, focusing on training and fine-tuning machine learning models for tasks such as image detection and processing.
- Developed image detection models that enhanced object recognition accuracy, laying a foundation for real-world applications in automated visual inspection.
- Worked collaboratively with a team of experienced engineers, gaining insights into model optimization and deployment processes for scalable production-grade applications.

Educations

2022
Punjab, India

Computer Science and Engineering

Lovely Professional University, Punjab, India

Major: Machine Learning

Total credits: 160

CGPA: 71%

2017

Mymensingh

Department: Science

Cantonment Public School and Collage, Mymensingh

GPA: 4.67

2015

Kendua

Department: Science

Kendua Joy Hari Spry Govt. High School

GPA: 4.72

EXPERTISE

Programming Language <ul style="list-style-type: none">• Python, Django• HCL (HashiCorp Configuration Language)• Go (basic)• Dart (Basic)• HTML, Tailwind CSS	● ● ● ● ●	Frameworks/Libraries <ul style="list-style-type: none">• TensorFlow• Keras• PyTorch• Scikit-Learn• BERT• LLM• NLP• Predictive Analytics• OpenCV• Selenium• Scrapy• ML Models• Text Classification• Data Preprocessing• Feature Engineering• Model Evaluation	● ● ● ● ●
API <ul style="list-style-type: none">• Django REST framework• Fast API• Flask• Streamlit	● ● ● ● ●		
Networking and Monitoring <ul style="list-style-type: none">• Load Balancing• Monitoring	● ● ● ● ●	DevOps and Infrastructure Tools <ul style="list-style-type: none">• Docker• Kubernetes• Nginx• CI/CD• Jenkins• ArgoCD• Terraform• Git• Version Control	● ● ● ● ●
		Databases and Search Engines <ul style="list-style-type: none">• PostgreSQL• Elasticsearch	

Achievement

IELTS: 6

British Council

Elasticsearch 8 certifications

Udemy