Sheikh Rasel Ahmed

AI/ML Engineer

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SUMMARY

I am a driven and passionate AI Engineer focusing on bringing intelligence to mundane software, enhancing its relevance and impact on people's lives. With extensive experience in both software development and machine learning engineering, I thrive on the challenge of designing and building ML systems that offer innovative solutions and drive positive outcomes. My enthusiasm lies in leveraging technology to create meaningful and impactful solutions that resonate with users and contribute to a smarter, more connected world

TECHNICAL SKILLS

Languages: Python (Experienced), C++ (Familiar)
Databases: MySQL, DynamoDB (Experienced)
Software Development: Django REST, FastAPI, Git, GitHub, Docker, AWS (RDS, EC2, S3) (Experienced)
Machine Learning: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, MLFlow, MLOps, ZenML
Deep Learning: ANN/MLP, CNN, RNN, LSTM, NLP, LLM, Langchain, OpenCV, TensorFlow, Keras, PyTorch, NLTK
Big Data: Hadoop, Spark, Airflow, Databricks (Familiar)
Soft Skills: Presentation, Teamwork, Leadership

EXPERIENCE

Machine Learning Engineer — Oct. 2022 – Sep. 2023
Jobdesk - it's a Switzerland-based software development company, API and recruiting services. — *Dhaka, Bangladesh*
- Scraped lots of job recruitment data from online
- Worked with the Big data creating a pipeline for ML Model
- Cleaning up noise datasets, visualize, API service, used MLOps for creating ML Architecture
- Successfully implemented development and deployment ML server in Cloud

EDUCATION

Bangladesh University (BU) — Dhaka, Bangladesh
Computer Science & Engineering (B.sc In CSE) — *2018 - 2021*
Dhaka Institute of Engineering & Technology (DIET) — Dhaka, Bangladesh
Diploma in Computer Technology (Diploma) — *2011 - 2016*

PROJECTS

Uber Taxi Demand Forecasting | *Python, MLOps, MLflow, ZenML, AWS, Docker* — Jan 2023 – Mar 2024
- A real-time automated platform for forecasting Uber hourly taxi demand is developed as part of this project
- The technology stack for this project will be — **read more and see the project**

Book Recommendations System | *Python, MLOps, MLflow, Flask* — Jan 2023 – Mar 2024
- It will suggest your desired book in real time and will show you some top-rated books. There is the search and find option as well— **to know more about the project**

Real Estate Price Prediction | *Python, MLOps, MLflow, Flask* — Jan 2022 – Mar 2023
- This is the real estate price prediction website where you can see real estate home or bedroom prices based on the feature. The technology stack for this project will be — **to know more about the project**

Potato Disease Classification | *Python, TensorFlow, CNN, MLOps, FastAPI* — Feb 2024 – Mar 2024
- Farmers every year face economic loss and crop waste due to various diseases in potato plants. We will use image classification using CNN and build a mobile app using which a farmer can take a picture and the app will tell you if the plant has a disease or not. The technology stack for this project will be — **see more & the project**

More Than 50+ Real World Projects | *Python, DS, ML, DL, AI* — Jan 2020 – Mar 2023
- Basic Machine Learning — **Projects**
- Advance Machine Learning — **Projects**
- End to End Machine Learning — **Projects**

Training & Certifications

Eiconik Academy - Data Science and Machine Learning
Jan 2021 – Jan 2021 — Dhaka, Bangladesh

- Loading the Data — Collating the Data — Data Pre-processing — Data Visualization — Train-Test Splitting the Data — Choosing Algorithm — Using MLOps to Creating Pipeline — Development and Deploying the model and at the End I have done some Projects *(here)* — *(Certificate)*

MLGrit - Generative AI Engineer
Jan 2023 – Jan 2024 — Bangalore, India

- Mathematics for Machine Learning, Data Science and Deep Learning Specialization Specialization
- Time Series, Sentiment Analysis, Computer Vision and Many Effective Projects I have done — *(here)*

DeepLearning.AI - Mathematics for Machine Learning and Data Science Specialization
Mar 2023 - Sep 2023

- Bayesian Statistics, Mathematics, Linear Regression, Calculus, Machine Learning and Probability — *(Certificate)*

DeepLearning.AI - Machine Learning Specialization
Jul 2023 - Nov 2023

- Logistic Regression, ANN, Linear Regression, Decision Trees, Recommender Systems — *(Certificate)*

DeepLearning.AI - Exploratory Data Analysis for Machine Learning
Sep 2023 - Oct 2023

- Artificial Intelligence (AI), ML, Feature Engineering, Statistical Hypothesis Testing, Exploratory Data Analysis — *(Certificate)*

DeepLearning.AI - Deep Learning Specialization
Dec 2023 - Present