Abdur Rahim Sheikh

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EDUCATION

B.Sc. in Computer Science & Engineering, University of Rajshahi   *January 2018 – July 2023*
CGPA: 3.62 out of 4.

WORK EXPERIENCE

Software Engineer , *MyMedicalHub International*   *August 2023 – Present*
– Developed features of our core project ROM - Django, Vuejs, microservices, custom models
– Developed key services including customer support (RAG application) , MedSieve for user.
– Collaborated with different teams, i.e., stakeholders, clinical team, and product manager.
– Utilized **Git** for version control and teamwork. Also **Docker** for containerization.

AI Research Assistant , *MyMedicalHub International* - (Tampa, Florida)   *October 2021 - July 2023*
– Conducted comprehensive literature reviews to identify relevant research studies, synthesized findings, prepared summaries, and built models to support ongoing research projects.
– Acquired expertise in creating and annotating datasets for AI-based medical services.
– Developed skills in object detection, classification, hyperparameter tuning

PROJECTS

* Interactive Study (live) - Streamlit, Algorithms Github Link
– This app is based on Bangladesh NCTB books. Helps practice available interesting topics
* Clinical Rule Parser - Django, Algorithms, JS, JQuery-Builder
– Built complex rule parsing and relation building on more than 2k aspects.
* QuantumMind - Django, Docker, poetry, PostgreSQL, Ollama
– System capable of containing multiple apps, Authentication Mechanism, harnessing power of Ollama
* Trained a custom classification and detection model - YOLO8, HigherHRNet, Temporal Flow, LSTM
– Used Temporal flow to achieve **97%** accuray.

LANGUAGES AND TECHNOLOGIES

Python	TensorFlow	PostgreSQL	Langchain	uv and ruff	Streamlit
Vue3.js	PyTorch	Django	Docker	Postman	Kubernetes

PROGRAMMING COMPETITIONS AND PROBLEM SOLVING

Programming Contests
– Samsung R&D Bangladesh Coding Contest 2019: Ranked 25th, MD_ABIR
– Mist IUPC 2019: ranked 54'th RU_phoenix

Online Judge Solves
– Codeforces: 779 problems solved and 119 contest participated securing **Expert** title ABIR
– LeetCode: 730+ solve with 377+ continuous streak Abdur Rahim Sheikh

ACHIEVEMENTS & COURSES

Expert rank in Codeforces with a max rating of 1744.

2nd runner up in ICT Division Mobile App Game & Job Festival 2023.

Docker & Kubernetes Udemy bestseller certificate