ADITYENDRA KUMAR SINGH

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OBJECTIVE

Experienced back-end developer with 3.5 years in Flask and FastAPI, Neo4j, and MongoDB, plus 2 years integrating end-to-end machine learning models. Skilled in model pre-processing, post-processing, and seamless system integration. Quick to adapt to new tech like Docker and Kubernetes. Proficient in Python libraries (NumPy, pandas), and messaging queues (Kafka, AWS SQS).

EXPERIENCE

Software Engineer   Jan 2023 - Present
Carelon Global Solutions   *Gurugram, HR*

- Prepare and pre-process data for ML input, including cleaning, feature engineering, and format transformation.
- Collaborate with Data Scientists to integrate ML models into pipelines or applications.
- Deploy ML models for real-time predictions in production environments.
- Manage post-processing of model predictions, including scaling results and converting outputs for human clarity.
- Handle production defects and generate automated business reports as per requirements.

Software Engineer   Jan 2021 - Jan 2023
Ikonwork India Pvt. Ltd   *Faridabad, HR*

- Design and develop RESTful services and APIs.
- Implement Apache Kafka for data streaming to Elasticsearch and the master database for insights.
- Utilize caching in microservices to enhance application performance.
- Automate business report generation with Python, NumPy, and Pandas from the master database.
- Develop master data management (MDM) solutions for the platform.
- Test and debug applications using Python testing frameworks such as Pytest and PyUnit.

SKILLS

Python, Flask, FastAPI, MongoDB, Neo4j, Redis, Kafka, Elasticsearch, Docker, Unit Test/pytest, AWS(EC2, SES, S3, SQS, Lambda)

PROJECTS

Digital Claim Examiner The DCE project involves seamlessly integrating machine learning models, including a master model capable of handling all scenarios, alongside dedicated models for specific claim scenarios such as duplication detection, eligibility assessment, corrected billing, and timely filing. With a substantial daily claim volume of approximately 40K, the project emphasizes the development of efficient auto-adjudication processes, underpinned by meticulous attention to detail and continuous optimization to meet exacting performance benchmarks.

Dridges/Ikonwork. During my tenure, I contributed to the development of two innovative recruitment platforms with distinct focuses. Dridges, an AI-powered recruitment management platform (ATS), streamlined processes for recruiters, optimizing talent acquisition workflows. Conversely, IKONWORK revolutionized the candidate experience by empowering job-seekers and professionals to showcase their skills through customizable profiles and video introductions, facilitating seamless networking and career advancement opportunities.

EDUCATION

Master of Computer Applications, IET Lucknow   July 2017- September 2020

Bachelor of Science (Mathematics), CSJMU Kanpur, University   July 2014- July 2017