Riddhi Shah

+1 5145505745 | riddhishah2103@gmail.com | linkedin.com/riddhiketanshah | github.com/Riddhikshah21

PROFESSIONAL SUMMARY

Master of Computer Science graduate with over one year of experience, proficient in Python, with a strong foundation in Artificial Intelligence, Machine learning, cloud technologies, and software development practices. Highly detail-oriented professional known for excellent communication, teamwork and collaboration skills, coupled with a passion for problem-solving.

SKILLS

Programming Languages: Python, Java, SQL
Frameworks & Libraries: Flask, LLM, Django, React, MongoDB, MySQL, HTML5, CSS3, Jira, Rally
Development Tools: Unit testing, Pytest, Docker, Kafka, Git, Linux
Certification: Microsoft Certified: Microsoft Azure fundamentals, Microsoft AI Associate, Microsoft AI fundamentals.

EXPERIENCE

AI ML Engineer   Nov 2023 – present
Synechron Canada Inc.   *Montreal, Quebec, Canada*
- Implemented a Generative AI enhanced automated code generator utilizing Pandalyst, a local Large Language Model(LLM), achieving 95% accuracy rate using OpenAI API for validation.
- Leveraged Docker to containerize a fraud detection model, trained using H2O AutoML on a Parquet file and deployed seamlessly on the Azure cloud platform.
- Built a Python dashboard for carbon footprint tracking using Azure OCR to analyze receipts.
- Led and implemented an end-to-end MLOps pipeline for an anomaly detection model, adhering to best practices and coding standards for a leading fintech client.
- Trained, validated, and fine-tuned machine learning models, ensuring high accuracy and robustness.
- Created a Flask API for the Python application, enabling seamless integration with front-end applications for real-time anomaly detection.

Software Developer II Intern   May 2023 - Aug 2023
Cisco   *Ottawa, Canada*
- Integrated simulation and routing tools using Python in a Linux environment, enhancing system functionality.
- Optimized scale testing using Python multi-threading, creating 200k virtual nodes for large-scale simulations.
- Streamlined TCP/UDP connectivity and automated IP address registration (IPv4/IPv6) for virtual nodes.
- Optimized system performance by focusing on scalability and maintaining CI/CD pipelines using GitHub.

Machine Learning Intern   Nov 2019 – Dec 2019
Applied Cloud Computing (ACC)   *Thane, India*
- Developed a movie recommendation system using the Object2Vec algorithm, achieving 70.4% accuracy.
- Orchestrated data pipeline, encompassing data preparation, feature engineering, model training and testing.
- Designed and implemented a scalable cloud Infrastructure on AWS leveraging Amazon S3, Amazon EC2 and Amazon SageMaker.

PROJECTS

Steam game recommendation | *Python, Pyspark, Flask, Big data, SQL* | Link   Jan 2023 - March 2023
- Developed a Flask RESTful API for a game recommendation model based on users' past purchases.
- Performed exploratory data analysis using Pyspark on large dataset, achieving 84% accuracy.

Face mask detection | *Python, Matplotlib, Scikit learn, Pytorch* | Link   May 2022 – July 2022
- Trained an AI model using Convolutional Neural Network to detected mask-wearing and categorize mask types.
- Utilized Python libraries like NumPy and Pandas and achieved an accuracy of 73.4% on the validation model.

EDUCATION

Concordia University   Montreal, QC, Canada
Master of Computer Science

Mumbai University   Mumbai, India
Bachelor of Information Technology