

Riddhi Shah

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PROFESSIONAL SUMMARY

Master's in Computer Science graduate with more than a year of experience, proficient in Python with a strong foundation in Software Development, Artificial Intelligence, Machine Learning, and Cloud Technologies(AWS, Azure). Highly detail-oriented professional recognized for strong interpersonal, communication, teamwork, and collaboration skills. Known for adhering to best practices and coding standards, with passion for problem solving.

SKILLS

Programming Languages: Python, Java, C++, JavaScript, SQL.

Development Tools: Pytest, Docker, Kubernetes, Git, Github, Linux.

Frameworks & Libraries: Flask, MySQL, Neo4j, Scikit learn, TensorFlow, PyTorch.

Certification: Microsoft Certified: Azure Fundamentals, Microsoft AI Associate Engineer, Microsoft AI Fundamentals.

EXPERIENCE

Software Developer - AI/ML

Nov 2023 – present

Synechron Canada Inc. - Client: American Express

Montreal, Canada

- Spearheaded COBOL to Java code migration using GPT-3 and Gemini LLMs, leveraging Neo4j graph database.
- Developed an end-to-end MLOps pipeline for anomaly detection microservice using Scikit-learn, ensuring reliable deployment, performance evaluation, and monitoring in production.
- Built a LLM-powered code generation tool using transformer models (Mistral and OpenAI) from Hugging Face.
- Developed a python dashboard with Azure Document Intelligence and GPT-3 model to calculate carbon emissions
- Maintained CI/CD pipelines with GitHub Actions for automating software testing, building, and deployment
- Trained, validated, and fine tuned ML models, developing RESTful APIs for seamless integration with application
- Collaborated in an Agile environment, participating in sprint planning, scrum meetings, and code reviews.

Software Development Engineer

May 2023 - Aug 2023

Cisco Systems

Ottawa, Canada

- Integrated simulation and routing tools using Python in a Linux environment, enhancing system functionality.
- Optimized scale testing using multi-threading, simulating 200k virtual nodes for large scale distributed system.
- Streamlined TCP/UDP connectivity and automated IP address registration (IPv4/IPv6) for virtual nodes.
- Optimized system performance by focusing on scalability and reliability 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 algorithms, achieving 70.4% accuracy.
- Orchestrated data pipeline, encompassing data preparation, feature engineering, model training and testing.
- Implemented a scalable cloud infrastructure on AWS leveraging Amazon S3, EC2 and SageMaker.

PROJECTS

Trip planner using AI Agents | *Python, Langchain, Natural Language Processing, Crew AI, AI Agents* | [Link](#)

- Created an AI trip planner with Crew ai and LangChain using multi agent collaboration for itinerary generation.
- Integrated Ollama phi4 model for generating data and Serper API for real-time web search to gather travel details.

Steam game recommendation | *Python, Hadoop, PySpark, Flask, Big data, SQL* | [Link](#)

- Developed a Flask REST API for a game recommendation model based on users' past purchases.
- Performed exploratory data analysis using Apache Spark on large dataset, achieving 84% accuracy.

Face mask detection | *Python, Matplotlib, TensorFlow, Scikit-learn, CNN, PyTorch, Image Processing* | [Link](#)

- Trained an Deep learning model using Convolutional Neural Network to detect mask 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

Jan 2022 - Jan 2024

Mumbai University

Mumbai, India

Bachelor of Information Technology

Aug 2017 - June 2021