

Rishabh Gangwar

Data Scientist

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Summary

Data Scientist with 1.3 years of experience in building and deploying MLOps applications on Azure ML Studio, including LangChain applications. Strong foundation in statistical analysis, deep learning, attention-based models, ML pipelines, and data engineering in Databricks. Proficient in SQL, Power BI, and experienced with various DBMS platforms.

Work Experience

Data Scientist

Oct 2023 - Nov 2024

Q3 Technologies

- Created and maintained MLOps applications on Azure ML Studio for national and international clients
- Provided a similarity search solution for better stock product inclusion, enhancing recommendation relevance
- Implemented a LangChain-based multi-agent RAG chatbot, achieving accuracy comparable to commercial products
- Handled Python Jira tickets, improving model accuracy and halving data processing time
- Developed 500+ unit tests, ensuring application stability across projects
- Built Python scripts for automated data preprocessing, reducing dataset noise and enhancing analysis speed by 40

Deep Learning Intern

May 2023 - Jun 2023

Jobhai.com

- Collected data using BeautifulSoup, Selenium, and UiPath, amassing 70,000 rows of job data
- Trained sequence-to-sequence models using attention and transformer architectures to process WhatsApp chats

Python Developer

Dec 2021 - Feb 2021

Codebugged.ai

- Implemented Hough Transform algorithm for detecting fetal head abnormalities in ultrasound images
- Applied Encoder-Decoder DiameterNet algorithm to achieve improved evaluation metrics

Education

Bachelor of Technology

Aug 2019 - Jul 2023

National Institute of Technology, Hamirpur

Projects

AI Taxi Booking Recommendation System

Python, Deep Learning

- Implemented multi-model recommendation system (Wide & Deep, xDeepFM, LightGCN) with engineered composite ratings from implicit signals like trip frequency and rebooking patterns
- Integrated complex geospatial features and environmental factors (weather, traffic) achieving improved customer retention through automated feature interaction modeling

Multilingual Text Detection and Transliteration System

Python, seq2seq

- Developed a system for multilingual text region detection, language classification, text recognition, and transliteration using advanced deep learning models like YOLO v8, ResNet-50, and sequence-to-sequence LSTMs.
- Utilized datasets from Roboflow and IIIT-ILST, and integrated tools such as PyTorch, Ultralytics, and OpenCV to achieve accurate text recognition and language conversion in images.

Technical Skills

Languages & Tools: Python, Statistics, JavaScript, C++, Vue, PyTorch, Azure, Spark

Soft Skills: Collaboration, Problem-solving, Communication, Time management, Result-oriented

Additional: Public Speaking, Writing, Research

Languages: English, Hindi

Certifications

- GATE DSAI 871 AIR
- Deep Learning for Computer Vision (NPTEL)
- Design and Analysis of Algorithms (NPTEL)
- Udacity Computer Vision Nanodegree