

Shivam Choudhary

Cloud Data Scientist - Deloitte



✉ Shivamchoudhary2014@gmail.com

☎ +91 9062330628

🌐 <https://github.com/shiv-choudhary>

📍 Hyderabad

🌐 <https://linkedin.com/in/choudhary-shivam>

🌐 <https://shiv-choudhary.github.io/portfolio>

Summary and Experience:

- Shivam is a Technology Analyst in cloud engineering capability having a total experience of 2.6 years, worked primarily on the development of Data Science solutions, Machine Learning models, Application Modernization and Automation of processes using Python(pipelines).
- He has client engagement or domain experience of working with Healthcare and life science client (1.25 years), Biopharmaceuticals (9months) and home appliances (3 months).
- Exposure to complete SDLC (agile methodologies) and designing scalable web services
- Involved extensively in R&D and POCs of cutting-edge technology (elastic stack, kibana, MongoDB integration, Azure cognitive API, RabbitMQ, UiPath)
- Won prestigious INSTA award for outstanding contribution to a project, received appreciation from clients, stakeholders and senior management for excellent project deliverables.
- Proficient in problem-solving, analytical skills and contributions to process improvements internally & client-facing roles
- **Bachelor of Computer Application** from West Bengal University of Technology, Kolkata (2016-19).

Tools & Skillset:

AWS, Azure

Azure ML Studio, AWS Sagemaker

MySQL, PostgreSQL, MongoDB

Python, Scala, Java

Robo3T, PGAdmin, SQL Server

Data Wrangling, Data cleansing

Git, Jira, Confluence

Certifications:

- Microsoft Certified Azure Data Scientist (DP:100)
- Microsoft Certified Data Fundamental (DP-900), AI Fundamental (AI-900), Azure Fundamental (AZ-900)
- Microsoft Certified AI-Engineer (AI-100)
- Microsoft Certified IoT Engineer (AZ-220)
- Microsoft Certified Python Programmer (MTA 98-381)
- AWS Cloud Practitioner

Project Experience:

Data Migration and Analytics Platform - Deloitte USI

- ✓ **Description:** Migration applications of Big Data Stack to Snowflake and exposed via restful service.
- ✓ **Domain:** Healthcare
- ✓ **Role Played:** Cloud Data Engineer
- ✓ **Contribution:**
 - Analyzed Scala spark based code for the transformation of data and converted it into SnowSQL
 - Handled PHI/PII before performing transformation and transition for data security.
- ✓ **Technology Used:** Snowflake, Spark, Scala

Data Migration and Application Modernization – Deloitte USI

- ✓ **Description:** Application migration from Mainframe Technology to Digital Cloud Service (AWS) in the form of scalable microservices.
- ✓ **Domain:** Healthcare
- ✓ **Role Played:** Data Science cum Data Engineer
- ✓ **Contribution:**
 - Identified the layer of data and designed separate microservice for all the data access layer
 - Deployed designed microservices on EKS.
 - Written 100+ transformation rules to achieve GraphQL user requests.
 - Integrated restful services with GraphQL framework to achieve reduced latency of user requests.
- ✓ **Technology Used:** Python, AWS, MongoDB, Flask-restful, GraphQL, pytest, Docker, Kubernetes

Data Remediation Tool - Infosys Ltd

- ✓ **Description:** An in-house ETL workbench tool customization for the client, digitization of legacy paper recipes for modern MES system to be migrated and implemented.
- ✓ **Domain:** Biopharmaceuticals
- ✓ **Role Played:** Data Science Associate
- ✓ **Contribution:**
 - Designed a data pipeline that will extract data from PDFs and word files and dump it into PostgreSQL for data processing and data wrangling
 - Implemented ML model to generate keywords for building block suggestion and Template recommendation (BoW, TF-IDF, rake-NLTK)
- ✓ **Technology Used** Python, PostgreSQL, Machine Learning, NLP, Azure

Personal Project

Spam Classification using NLP deployed on Azure

- ✓ End-to-End implementation of the natural language processing model takes the text and predicts whether it is spam. Built using python deployed on Azure, using Flask.
- ✓ Code: <https://github.com/shiv-choudhary/spamsms>

Malicious URL Detector using Lexical Feature

- ✓ Used Lexical Feature of URL to create machine learning model, compared accuracy with three different ML Algo: Logistic Regression, Decision Tree, Random Forest. Got decent accuracy with Ensemble Technique.
- ✓ Code: <https://github.com/shiv-choudhary/Malicious-URL-Classifer>

Deep Learning Image Classification

- ✓ Developed an image classification model using the transfer learning technique (ImageNet, VGG16, VGG19) to reduce the learning time of the model and provide better accuracy.
- ✓ Code: <https://github.com/Shivam2017/DLApplication>