

Akshita Chaudhary

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 [LinkedIn Profile](#)  [Portfolio Website](#)

EDUCATION

MSc Data Science, University of Aberdeen, UK

Jan 2023-April 2024

Courses include Programming with Wolfram Mathematica, Data Science Lifecycle, Programming with Python and R, Statistics and Time Series Analysis, Advanced Statistics, Machine Learning and Image Analysis.

Dissertation title: Generative AI: Automatic Form Filling System Using Large Language Models

B.Tech. Computer Science and Technology, SNDT Women's University

July 2014-July 2017

Courses include Databases, Data Structures and Algorithms, Computer Networking, Computer Graphics, Object-Oriented Programming, and other relevant subjects completed over four years.

TECHNICAL SKILLS

- Generative AI: Langchain Framework, Large Language Models Applications
- Languages and Packages: Python, Wolfram Mathematica, SQL, Scikit-Learn, Scipy, SQL, Pandas, Numpy, Git
- Statistical Modelling: Hypothesis Testing, Exploratory Data Analysis, Data Extraction, Data Transformation, Data Cleaning
- Machine Learning: Boosting Models, Classification, Regression, Clustering, Random Forest, Predictive Modelling, Unsupervised Learning (K-means, DBSCAN)
- Data Engineering: Microsoft Azure Data Factory, Azure Storage, Azure Synapse Analytics, Azure Document Intelligence
- DevOps, Cloud and Server Management: Docker, Kubernetes, Azure DevOps, Hashicorp Key Vault, Azure Key Vault, Git, CI/CD platforms like Jenkins, RestAssured API Automation, Selenium Web Automation, Postman
- Frontend Technology: HTML5, CSS3, JavaScript, React

WORK EXPERIENCE

JIO PLATFORMS LIMITED

JULY 2021- DEC 2023

DATA SYSTEMS RELIABILITY ENGINEER | DEPUTY MANAGER

- Responsible for constructing an end-to-end data cycle and developing a critical data pipeline using Azure infrastructure to process over 65k employees' data by consolidating data from multiple disparate sources into a single destination, enabling quick data analysis for reliable business insights.
- Managed Apache Kafka clusters, ensuring real-time data processing and robust security
- Developed UI features in React for a Patent Edge-based web app, enhancing user experience and interface functionality
- Conducted quality checks, reducing manual tasks by 70% in an edge-based access control project

- Produced training manuals, improving site issue resolution by 20%

RELIANCE DIGITAL PLATFORM & PROJECT SERVICES LIMITED

JULY 2018- JULY 2021

DATA SCIENTIST | ARTIFICIAL INTELLIGENCE RESEARCH TEAM

- Experience building standard POC supervised (classification) and unsupervised (clustering) models for Telecom Data, and an understanding of standard industry libraries (pandas, sklearn, keras etc)
- Developed Proof of Concept(POC) using Seldon Core to deploy machine learning models in a containerised cloud-native environment.
- Establishing cloud-native environments, including the configuration of Kubernetes clusters.

RELIANCE JIO INFOCOMM LIMITED

JULY 2017- JULY 2018

GRADUATE ENGINEER TRAINEE

- Graduate Engineer Trainee with a robust grasp of the software development lifecycle.
- Executed comprehensive software test planning, test case design and test execution using the Rational tool for various Jio products, actively communicating and resolving issues with the resolution team.
- Recognized for identifying the maximum number of critical issues in applications.
- Spearheaded research using the OpenCV library, delving into facial recognition algorithms.

ADDITIONAL WORK EXPERIENCE

PEPE'S PIRI PIRI, ABERDEEN, UK

MARCH 2023- MARCH 2024

CUSTOMER SERVICE REPRESENTATIVE (Part-Time)

- Demonstrated exceptional communication skills in addressing inquiries and resolving issues promptly and professionally, consistently exceeding customer satisfaction benchmarks.
- Fostered a collaborative team environment by actively engaging with colleagues to streamline front desk operations, improving efficiency and customer service delivery.
- Utilized strong interpersonal skills to effectively communicate product information, order details, and delivery updates to customers, ensuring clarity and reducing errors while maintaining a positive customer experience.

PROJECTS

- Predictive model for customer churn in Telecom Industry
- Exploratory data analysis on several datasets in Python and Wolfram Mathematica using Wolfram Mathematica
- Generative AI: LLM-based Chatbot Application
- Generative AI: Lang chain project for customer support app
- Azure Data Factory and Databricks End-to-End Project Pipeline on several datasets

PUBLISHED WORK

WILEY PUBLICATIONS

YEAR 2022

CO-AUTHOR

"Cloud-native Computing: How to Design, Develop, and Secure Microservices and Event-Driven Applications

This publication represents a collaborative effort to pioneer the discourse surrounding cloud-native computing. We elucidate the intricate processes of designing, developing, and securing microservices and event-driven applications through comprehensive research and expert insights.