

SAYYEDA RIJAB

Email | sayyedarijab@gmail.com
Website | [linkedin.com/in/sayyeda-rijab/](https://www.linkedin.com/in/sayyeda-rijab/)

Phone | 92333-1480972
Skype | live:..cid.f191b37fc716e2aa

EXECUTIVE SUMMARY

A keen individual having 5 years of Software industry experience, a data enthusiast with strong analytical skills and AWS Cloud engineer covering including Data Engineering and DevOps Services and related open source technologies. Having hands on experiences in Software development from data collection to functional Application designs.

- Expertise in Python, R, MySQL, MongoDB.
- Proficient in Python with strong understanding of data structures, Object oriented programming and algorithms and RESTful APIs.
- Experience in setting up data pipelines for Banking, insurance and telephony clients.
- Lead multiple telephonic accounts as Artificial Intelligence lead, setting up homogenous and elegant data pipelines, deployments and automated production monitoring checks reducing error and maximizing performance.
- Experience in designing automated infrastructure scripting for clients using Terraform (AWS) and Jenkins.
- Collaborate with System Architects and Managers to break down requirements in to feature set.
- Experienced in using software development methodologies (Agile, SCRUM), Continuous integration and Test Driven Development.

Technology Stack

- | | |
|-------------------------------|--|
| • Languages | Python, R, MySQL |
| • Services/ Frameworks | RESTful (Flask),Livy, Apache Spark, Docker |
| • Databases | Project Management |
| • Amazon Web Services | S3, EC2, IAM, Amazon MQ, Cloud Front, SES, Glue, Athena, EMR, Lambda, VPC, Route53,Cloudfront, Elastic Load balancer, Postgres, SNS, SQS, DMS, DynamoDB, Redshift, Aurora, RDS |
| • Platform Automation | Terraform, Airflow |
| • IDE/Tools | Eclipse, Visual Studio, MATLAB |
| • CVS/Build Systems | Git, GitHub, Bitbucket, Jenkins |
| • Methodologies | SC Agile, Scrum, SDLC, Object-Oriented Analysis and Design, Test driven Development, Continuous Integration |

PROFESSIONAL EXPERIENCE

5+ YEARS

Afiniti

June 2020- Present

Position: Data Scientist Working as Data Scientist since more than a year, responsible for providing AI solutions to Telephony and Telecommunication Clients in order to maximize their business.

- **Project: LM (Gain Optimization): Liberty Mutual is a U.S based Insurance Company. We are responsible for optimizing their telesales by intelligent pairing of agent and caller.**
- **Responsibilities:**
 - Working as Technical lead, setting up data pipelines, deployment and Data Modelling
 - Provided rigorous production monitoring in order to ensure integrity and stability of data
 - Significant increase in revenue by implementation of enhanced machine learning algorithms such as binomial, continuous, binomial_lpl using Stan and Balerion.
 - Responsible for statistical analysis on Telesales data, generating insights using Python and SQL
 - Responsible for Feature engineering in order to gain better performance
 - Responsible for dealing with Client Services, and representing AI team in broader group
- **Tools and Technologies:** Python, MySQL, R, Balerion, Cerise, STAN

- **Project: Claro (Gain Optimization)** Claro is a Brazilian Telecom Company, Our duty is to retain their customers for their telecom services.
- **Responsibilities**
 - Responsible for Data Design
 - Worked majorly on setting up on modelling and deployment pipelines
 - Assisted for setting up gain and production monitoring alerts using MySQL
- **Project: TFN Brazil**
TFN Brazil is a telecommunication client having both retention and sales queue.
- **Responsibilities**
 - Working as part of AI team
 - Responsible for monitoring all Queues, in parallel working on improving modelling pipelines.

Northbay Solutions Pvt Ltd.

June 2018- May 2020

Position: - Software Engineer

Successfully worked in roles of Data Engineer and DevOps Engineer

- **Project: Invesco**
Invesco is a U.S based Investment client, we were responsible for setting up an orchestrated data pipeline that can help automated report generation. The project includes designing of multiple stages from Data ingestion to curation, transformation and then finally report generation using AWS Data Engineering Services, Spark, Python (Boto3) and automation tools.
- **Responsibilities**
 - Writing spark jobs for data transformation
 - Developing S3 & Dynamo utilities for storing, curation and ingestion of data using Livy
 - Explored Redshift for data storage
 - Orchestrated data pipeline using Airflow and Lambda
- **Tools:** Python, Boto3, Apache Spark, EMR, S3, Dynamo, Airflow, Livy, Lambda
- **Project: Veracode**
- **Responsibilities**
 - Responsible for Terraform scripting for AWS cloud to set up infrastructure for the project. Made the scripts automated and easy to use for clients using modules.
 - Worked on preprocessing, curation and ingestion of data
- **Tools:** - Python(Boto3), AWS RDS, AWS Postgres, Terraform, S3
- **Project: iQuartic**
Worked as DevOps Engineer, we were responsible of designing a data pipeline for a system that removes paper usage for a Pharmaceutical/medical Software.
- **Responsibilities**
 - Responsible for Terraform scripting for AWS cloud to set up infrastructure for the project.
 - Set up automation using Jenkins
 - Set up User Configuration and policy management.
- **Tools:** AWS Cloud(S3, API Gateway, EC2, AWS SFTP etc.) , Terraform, Jenkins, Docker

Tehnovier

August 2016- May 2018

Position: - Software Engineer

- **Project: Scrapy**
- **Responsibilities**
 - Responsible for setting up data Scrappers for multiple ecommerce websites.
 - Analysis of Scrapped data to get useful insights

- **Project: Event Classification to assist in management crisis using different classification methods**
In this project, I used generative, discriminative and neural networks. Aim of the project is to identify the key needs of people using tweets at the time of natural disasters.

Computer Human Interaction and Social Experience Sept 2019- Present Lab (CHISEL)

- **Project: Qawaid4Dyslexia – A Data Collection tool to provide informed recommendation regarding Dyslexia.**
As my Master's thesis I worked in collaboration with LUMS CHISEL on this project for two years. For the first year I solely worked on this project, including **Data Collection, Usability study, Literature Review, Data & software design and eventually a functional prototype.** Further I worked as **Lead Research Assistant** on this Project, leading a group of students, where we deployed the system in associated. The primary aim of this project work is to build a user friendly data collection tool for Urdu reading/writing population, so it can eventually help in gauging potential dyslexia patients. The project is still in progress.
- **Responsibilities:**
 - Responsible for Data Collection by carefully designing tests including consultation from psychologists and teachers.
 - Responsible for annotation of Data collected from Usability study.
 - Responsible for Data Flow and front end design.
 - Responsible for Data Storage and led the deployment phase.
- **Tools:** Mongo DB, Python, Flask, HTML, CSS, jQuery

U.E.T Lahore Sept 2015- May 2016

- **Project: Customized DocTrail Environment**
As my final year project during Undergrad, this project aimed to convert physically scattered data into organized electronic data thus contributing towards the paperless environment. It indexes critical content by "crawling" the resources that may include websites, file shares and databases for data so users can locate it using the same search methods offered on the Google Search site. By using the server, it constitutes its own personal customized repository for central sharing and retrieving of data in any institution thus leading the humans towards smart technology.
- **Tools:** SharePoint Server 2013, SharePoint Designer , Microsoft Infopath1,SQL

🎓 Education

Timeline	Institute	Degree	CGPA
2018-2020	Lahore University of Management Sciences	M.S Computer Science	3.51/4
2012-2016	University of Engineering and Technology Lahore	B.S Computer Engineering	3.37/4

🎓 Certification

- AWS Cloud practitioner Certified

🏆 AWARDS AND DISTINCTIONS

- Got **MVP (Most Valuable Person)** award in Afiniti for remarkable performance.
- Got multiple performance-based **Spot Bonuses** for performing above & beyond in Afiniti.
- **Among Top 10 projects in Final year project competition during Undergrad.**

📖 REFERENCES

Can be furnished upon request.