Sajud Elinjulliparambil

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EDUCATION

Pace University, Seidenberg School of Computer Science & Information Systems   **New York, NY**

Phd in Computer Science| GPA: 4.0 | Concentration: Computer Science   **Ongoing**

Pace University, Seidenberg School of Computer Science & Information Systems   **New York, NY**

Master of Science (MS) in Information Systems | GPA: 3.87 | Concentration: Data Science   **May 2020**

ARTICLES & PUBLICATIONS:

Sajud Hamza Elinjulliparambil making schools safe again | International Business Times

Cleaning Up The Web With Machine Learning And Data Analytics | Tech Times

Revolutionising Workplace Safety: The Hero of Social Media Background Screening | Latestly

The Great Digital Gatekeeper: Social Media Background Checks for Safer Schools | HackerNoon

Intelligent background verification: The potential of machine learning and predictive analytics | Breakthrough Neliti

American Safety through the work of Sajud Elinjulliparambil | Benzinga

JUDGE & MEMBERSHIPS:

Judged at Titan awards

Judged at Globee Awards

Judged at Future Engineers

Judged at QSImagine

Member of Harvard Business Review

Member of Growth Hackers

CERTIFICATIONS:

DataCamp: Exploratory Data Analysis in Python | Data Manipulation with Pandas | Supervised Learning with scikit-learn | Statistical Thinking in Python (Part 1 & 2) | Intermediate Python for Data Analytics | Python Data Science Toolbox (Part 1 & 2)

Udemy: Decision Trees | Random Forest, AdaBoost & XGBoost with Python | Ultimate Hands-on Hadoop | SQL for Data Analytics | Beginners Guide to Data Science: Statistics, Data Science | Master Tableau for Data Science. **CCNA-**Cisco Certified Network Associate

TECHNICAL SKILLS

Programming: R (tidyverse, ggplot2, lattice), Python (Pandas, NumPy, Matplotlib, Seaborn), Scripting (Bash, Shell, PowerShell)

Big Data: Hadoop, Spark, Pig, Apache Drill, Presto, AWS (S3, EC2, Redshift)

Databases: SQL Server, T-SQL, PostgreSQL, MySQL, MS- Access, Hive SQL

Business Intelligence: Solarwinds, Kronos, Tableau, Power-BI, MS-Visio, Advanced Excel

Analytics: Machine Learning (Tree based models, regressions, classifications), Dimension Reduction, PCA, Central Limit Theorem, Statistics, A/B Testing, t-test, z-test

WORK EXPERIENCE

Consultadd Inc, New York, NY, Senior Developer (Client- Wirb Copernicus Groups)   **November 2024 – Current**

- Created a web-based platform using Fast API
- Handling all the backend as well as the front end development of the application.
- Made use of alembic for the database management versioning.
- Managing the clinical drug trial platform for the use of Doctors and clinical trial reports which goes through the FDA for approval of the drugs hitting the markets.

Consultadd Inc, New York, NY, Senior Developer (Client- Principal Financial Groups)   **August 2023 – Sept 2024**

- Created Architecture of a total new data pipeline for internal application analysis.
- Created automated data pipelines for which supported the complete platform health analysis.
- Made use of the CI/CD process to push and pull the code as well as the database aspects for smooth deployments. .
- Also implemented security measures for the Data supplied through the Web API's which are sensitive data about the millions of Americans data for the retirement savings and 401k plans.

Consultadd Inc, New York, NY, Full Stack Developer (Client- NYC Department of Education) **August 2023 – Current**
- Created Web API's for 3rd party vendors with high performance and efficiency with the SLA's in milliseconds.
- Created Complex Stored procedures to support the Web API's on SQL Management Studio across different environments.
- Made use of the CI/CD process to push and pull the code as well as the database aspects for smooth deployments. .
- Also implemented security measures for the Data supplied through the Web API's which are sensitive data about the 1500 schools across New York City which includes a lot of PII data.

Consultadd Inc, New York, NY, Data Analyst/Fullstack Developer (Client- Fama Technologies) **August 2020 – July 2023**
- Used complex queries to fetch insightful data from databases having a million records and summarizing to $1/10^{th}$ of total.
- Wrote Pyspark scripts with Spark SQL to load data from Raw zones to Curated Zones to append the daily data to the tables.
- Used Hbase table instead of Hive tables to increase the performance by 70% to fetch the data from the tables.
- Created scripts in Python 3.8 which integrated with Amazon API to control instance operations and Maintained a continuous deployment on a cloud infrastructure with zero downtime production environment.
- Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function, and configured it to receive events from your S3 bucket.

Consultadd Inc, New York, NY, Data Analyst (Data Scientist) Intern **June 2019 – December 2019**
- Built a complete dashboard for the higher management on tableau to capture the trends and patterns of the finances
- Used SQL to extract meaningful data from the database to feed it to the dashboards for visualization of the queries
- Created stored procedures, views, indexes, triggers & queries in MySQL to optimize queries hereby saving time by 30%
- Performed data cleaning on datasets of 100,000+ rows in R-Studio and generated graphs using ggplot2 and lattice package
- Predicted net profit of the next quarter by linear regression using R, helping expand the company by estimating the next budget

SCS Tech India, Mumbai, India, Business Data Analyst/Pre-Sales Engineer **June 2017 – August 2018**
- Designed and implemented data integration modules for Extract/Transform/Load (ETL) functions from OLTP to OLAP for analysis
- performed SQL query tuning using indexes to extract the targeted data from historical database reducing the ETL time by 20%
- Built queries in SQL Server to create database objects such as views, stored functions and optimized reporting time by 30%

Agilisys IT Services Private Limited, Mumbai, India, Data Analyst **April 2016 – May 2017**
- Used SQL queries on the internal database and performed CRUD operations to maintain the database for data tracking purposes
- Gathered requirements and created use Case Diagrams, Activity Diagrams using MS Visio as per software development cycle
- Monitored live server, network devices, websites, and applications using SolarWinds tool to maintain infrastructure integrity

Moneysoft Computers, Mumbai, India, Desktop Engineer **February 2015 – March 2016**
- Automated manual report generation using excel for the senior management to take informed decisions from the charts easily
- Data analysis in excel to understand the ticket logging frequency to recruit personnel to manage it efficiently

PROJECTS

Prediction of New York City Taxi Fare, Data Science **May 2020**
- Collaborated in a team of three to employ machine learning models to predict NYC taxi fare prices
- Extracted a dataset from the Kaggle competition, performed exploratory analysis of the dataset by checking if the data was normally distributed, and cleaned the data to process it for the models using R-Studio
- Predicted the fare amount using GAM Linear model, achieving a 74% accuracy rate, and identified that distance was the variable that had the highest correlation with fare