

GIGY JOHNSON

CONTACT



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SKILLS

- **Data Analysis:** Analyze and interpret complex datasets, perform statistical analysis, and draw meaningful insights using tools like Python, SQL.
- **Machine Learning: proficiency in machine learning techniques** proficiency in machine learning techniques such as supervised and unsupervised learning, regression, classification, clustering, and feature selection. Experience with popular libraries like scikit-learn, TensorFlow, or PyTorch.
- **Statistical Modeling:** Expertise in statistical modeling, including hypothesis testing, A/B testing, experimental design, and regression analysis(tools like NumPy, SciPy).
- **Data Visualization:** Communicate data-driven insights effectively using visualization. proficiency in tools like Matplotlib, Seaborn, Tableau.
- **Big Data Technologies:** Experienced working with large datasets and have familiarity with big data technologies such as Hadoop, Spark, or Apache Kafka. Excellent understanding of distributed computing and data processing can be advantageous.
- **Programming Languages:** Proficiency in programming languages such as Python R, which are commonly used in data science. comfortable working in Additional languages such as Java, HTML, Django, C++.
- **Database Management:** Data manipulation skills. High experience with SQL for data extraction, transformation, and loading (ETL) processes.
- **Data Cleaning and Preprocessing:** Clean and preprocess raw data, handle missing values, perform

Energetic self-starter and team builder. Navigates high-stress situations and achieves goals on time and under budget. Able to execute outstanding data extraction and analysis through using algorithms and data mining technique to inform and advise on business development and workflow improvement. Committed to using Machine learning to streamline the system. Adept at synthesizing complex data into actionable reporting, proposal and specification writing.

EXPERIENCE

February 2022 - May 2023

Data Science Intern Pairview Ltd, London, Tower Hamlet

- Integrated data visualization and a dynamic analytics system were designed to produce a business action plan.
- Applied analysis skills, leveraging insights, developing and deploying data models and evaluating and improving existing models to create solutions.
- Filtered and assessed data from different views, searching for patterns indicating problems or opportunities and communicated results to help drive business growth.
- Power BI and Tableau are used for the reporting dashboard, forecast, and KPI.
- Developed and refined reporting tools and interfaces for different KPIs to increase transparency and boost staff performance.
- Constructed deep learning models and scalable machine learning systems.
- Provided solutions and strategies to address business challenges and help businesses remain competitive using market trend data.
- Presented information using data visualisation techniques, proposing solutions and strategies to drive business change and solve problems.
- Used advanced analytical approaches and algorithms to evaluate business success factors, impact on company profits and growth potential, helping companies grow.
- Experience with SQL and Python
- Increased the experience in SQL Server, Microsoft Excel, C++, Python, Power BI, Tableau, and SQL are examples of software skills.
- Professional abilities: Processing large data volumes, statistical analysis, and computing Data manipulation, data extraction, data visualisation, data analysis, quantitative analysis, machine learning models, hypothesis testing, A/B test, and regression are some of the terms used.
- Python data science libraries: TensorFlow, Matplotlib, seaborn, keras
- Predictive model using machine learning followed by modelling phases including, statistical testing (Chi-square tests, correlations etc.)
- Financial and demographical performance.
- Experience in tableau and Power BI
- Product recommendation system developed as according the project needs.

feature engineering, and deal with outliers effectively.

- **Communication and Presentation:** Strong communication skills and experience presenting complex technical concepts to non-technical stakeholders. Data scientists often need to explain their findings and recommendations clearly.
- **Continuous Learning:** Enthusiasm for staying updated with the latest trends, techniques, and tools in the field of data science. Online courses, certifications, or workshops completed.

- Data was assessed by running EDA and RFM on the dataset. The machine learning models were also compared using the ROC, Precision, recall, F1 Score, accuracy, and confusion matrix.

May 2021 - August 2021

AI Trainer Soften Technology, Ernakulam, kerala

- Created successful training courses based on evaluation of student needs.
- Monitored industry changes and adapted training to reflect trends and updates.
- Maintained learning caseloads across multiple training projects.
- Experienced in training design Delivered training in Python, SQL, visualization tools' (Tableau or Power BI)), and data science libraries.
- Developed machine learning models for lecturing purposes.
- Azure, AWS, Hadoop, and Hive theory classes.
- Adapted experimental teaching method to explain machine learning techniques.

March 2019 - April 2021

Junior Data Scientist IDTech technologies, Ernakulam, kerala

- Transforming data science prototypes and applying relevant ML algorithms and tools to provide a satisfactory solution for the end user.
- Created machine learning algorithms to analyze massive amounts of historical data in order to make predictions.
- Responsible for completing customer projects and assisting in understanding concepts and project execution.
- Managed projects, including the use of the Django Framework as the user interface in face mask detection and flight delay prediction.
- Created predictive statistical models for clustering, optimisation, and other tasks using both supervised and unsupervised machine learning algorithms.
- Applied analysis skills, leveraging insights, developing and deploying data models and evaluating and improving existing models to create solutions.
- Constructed deep learning models and scalable machine learning systems.
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- Presented information using data visualisation techniques, proposing solutions and strategies to drive business change and solve problems.
- Pre-processed structured and unstructured data by collaborating with diverse teams in implementing models and monitoring outcomes.
- Gathered analytics data using different sources.

EDUCATION

2018

M.Tech Computer Science

APJ ABDUL KALAM UNIVERSITY, ERNAKULAM

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- B.Tech Graduate
- Dissertation on IoT(Smart Home Automation).
- Thesis -2018(APJ Abdul Kalam Technological University) Name: Smart Home Automation using preservation mechanism-IoT Grade Achieved: B+ •
- Main Project -2016(Mahatma Gandhi University) Name: Home Automation-IoT Grade Achieved: A
- Research Published: An Integrated Statistical Approach for Smart City in India Using IoT, A Case Study Modelling of congestion nodes using IoT and Big data Analytics

- Project won in a college competition-2017 Brain Tumour Detection with Deep Learning in Python

2012

B.Tech Computer Science

Mahatma Gandhi University, IDUKKI

- Dissertation on IoT.