

# JOEL JOSE

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## PROFESSIONAL SUMMARY

- Energetic and self-motivated Business Analytics student with a passion for data-driven insights.
- Possesses excellent communication skills and a proactive approach to problem-solving.
- Proficient in Microsoft Office Suite (Excel, PowerPoint, Word) and SQL for database administration.
- Proficient in Python for data analysis and programming, including PyTorch, TensorFlow, and scikit-learn.
- Skilled in PowerBI for Data Visualization.
- Knowledgeable in HTML, CSS, Django, API Integration, Git Version Control, and Docker.
- Familiar in designing and implementing scalable data processing platforms using Hadoop.
- Familiar with ETL/ELT pipelines and integrating solutions for real-time data processing.
- Capable of planning and estimating features in the roadmap, ensuring alignment with growth expectations.
- Strong organizational and time management skills, ensuring efficient multitasking and project execution.
- Adaptable and positive team player, quickly grasping new concepts and fostering cohesive teamwork.
- Capable of working on both front-end and back-end development with AI Assistant.
- Enthusiastic about advanced analytics and its applications, with a keen interest in open-source technologies.

## EDUCATION

<b>Business Analytics Postgraduate Certificate</b>   St. Lawrence College   Kingston, ON	2023
<b>Data Science and Analytics Certificate</b>   ICT Academy of Kerela   India	2022
<b>Bachelor of Technology in Mechanical Engineering</b>   RSET   India	2021

## WORK EXPERIENCE

<b>AI Analyst Intern</b>   IT World Canada   Toronto, ON	2023
<ul style="list-style-type: none"><li>• Spearheaded data mining initiatives, enhancing prompt effectiveness for OpenAI.</li><li>• Implemented NLP techniques for sentiment analysis, improving accuracy by 90%.</li><li>• Developed a custom AI Assistant for the Talent Acquisition Team and Project Manager using OpenAI, enhancing response efficiency.</li><li>• Integrated Custom GPT HR Chatbot using AI Tool Chatbase and deployed into website using Netlify.</li><li>• Embedded Calendly Scheduling App in Custom GPT through API Integration.</li><li>• Demonstrated AI capabilities by presenting our work at ITWC Generative AI Analytics Unleashed Event</li></ul>	
<b>Customer Service Associate (Part-Time)</b>   Walmart   Kingston, ON	2022
<ul style="list-style-type: none"><li>• Responded to customer inquiries and complaints in a timely and professional manner.</li><li>• Processed returns and exchanges and maintained accurate records of all transactions.</li><li>• Assisted with inventory management and ensured that all products were properly stocked and displayed.</li><li>• Collaborated with other team members to provide a positive and efficient customer experience.</li><li>• Received positive customer feedback and was recognized for exceptional performance.</li><li>• Assisted the stocking department in managing inventory.</li></ul>	
<b>Data Analyst Intern</b>   TCS Ion   India	2022
<b>Project: Forecasting System - Project Demand of Products at a Retail Outlet Based on Historical Data</b> <ul style="list-style-type: none"><li>• Filtered and proposed clean time series data.</li><li>• Exploratory data analysis using graphs.</li><li>• Evaluated two Models ARIMA (Autoregressive Integrated Moving Average) and SARIMA(Seasonal ARIMA) for Model Selection.</li></ul>	

- Assisted in optimizing the model performance by hyperparameter tuning.
- Validated the accuracy of the SARIMA model with the FBPROHET package.
- Successfully predicted sales for the next 3 months based on the historical data.

## RELEVANT PROJECTS

<b>Deep Learning with Images</b>	2023
<ul style="list-style-type: none"> <li>• Imported libraries and loaded datasets for image analysis.</li> <li>• Analyzed RGB values and partitioned data for training and testing.</li> <li>• Standardized data and constructed CNN models with various layers.</li> <li>• Compiled models and assessed performance, achieving 98% accuracy in bee species prediction.</li> <li>• Validated the error of training history (accuracy and loss).</li> <li>• Application of the trained model to predict bee species in new images.</li> </ul>	
<b>Bankruptcy prediction</b>	2023
<ul style="list-style-type: none"> <li>• Analyzed financial data to tackle bankruptcy prediction challenges, leveraging machine learning techniques.</li> <li>• Explored diverse models including Random Forest, Logistic Regression, and Support Vector Machine (SVM) for bankruptcy prediction.</li> <li>• Enhanced data quality through preprocessing, including feature selection and engineering.</li> <li>• Leveraged Python and sci-kit-learn for SVM model construction, achieving high accuracy.</li> <li>• Presented actionable insights, showcasing key indicators driving bankruptcy predictions.</li> <li>• Demonstrated expertise in financial risk assessment and machine learning through practical application.</li> </ul>	
<b>Customer Relationship Management Application</b>	2023
<ul style="list-style-type: none"> <li>• Developed a scalable and portable Customer Relationship Management (CRM) application using Django as the web framework and MySQL as the database.</li> <li>• Implemented Docker containerization to encapsulate the entire CRM application and its dependencies, ensuring consistency and eliminating potential environment-related issues.</li> <li>• Enhanced development and deployment processes by utilizing Docker, contributing to a streamlined workflow for maintaining and scaling the CRM application.</li> <li>• Documented the project comprehensively, including a user-friendly guide covering prerequisites, setup, Docker configuration, and additional notes, showcasing strong communication and documentation skills</li> </ul>	
<b>Catalytic Co-Pyrolysis of Biomass and Plastics   RSET   Kerala, India</b>	2021
<ul style="list-style-type: none"> <li>• Innovated by discovering novel biomass-plastic combinations, efficiently converted into valuable fuel with catalysts.</li> <li>• Utilized ASPEN TECH Chemical analysis software Engineered a high-efficiency pyrolysis reactor, improving bio-oil and biogas usability by 97%.</li> </ul>	

## VOLUNTEER EXPERIENCE

<b>Volunteer   RSET Tech Festival   India</b>	2019
<ul style="list-style-type: none"> <li>• Collaborated with different departments to conduct the event successfully.</li> <li>• Assisted participants in conducting entertaining events.</li> </ul>	

## CERTIFICATIONS

Python for Data Science   IBM Incognitive.ai	2023
Data Analysis with Python   IBM Incognitive.ai	2023
Google Analytics   Google	2023

## REFERENCE

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Arlo Murphy

Director of Business Intelligence and Audience Services, Chief Privacy Officer

ITWC, publisher of ITWorldCanada.com

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