JOEL MIRANDA

2851 S King Dr Apt 1617, Chicago, IL-60616| +1(872)258-6450 | EmailID | LinkedIn

SUMMARY

Motivated software engineer with 2 years of experience, pursuing an MS in Information Technology and Management at Illinois Tech. Seeking for a full-time position in software development, data analysis, or engineering. Capable of data management and analysis, with a strong technical background and analytical mindset. Eager to use expertise and contribute effectively in a professional setting.

EDUCATION

Illinois Institute of Technology, Chicago, IL, USA.   *Jan 2023 – Dec 2024*
Master of Science in Information Technology and Management.

Visvesvaraya Technical University, Belgaum, Karnataka, India.   *Aug 2016 – July 2020*
Bachelor of Engineering in Computer Science.

SKILLS

- **Programming Languages:** Python, C, C++, C#, Java, JavaScript, R.
- **Web Development:** HTML, PHP, CSS, REST API.
- **Tools:** Visual Studio, GitHub, MYSQL, Eclipse, Tableau.
- **OTHER**: MS Excel, Problem-solving, Communication, Continuous learning, Database Management.

WORK EXPERIENCE

SOFTWARE ENGINEER   *July 2020 - July 2022*
Global Esoft-Sys Private Limited   Mangalore, Karnataka, India

- Embraced Agile methodologies in the Software Development Life Cycle, with a strong foundation in Python, C#, and JavaScript for object-oriented programming.
- Conducted thorough unit testing to ensure seamless software functionality, bolstered by backend tech skills in Java for robust application development.
- Optimized in-application SQL statements to enhance system stability, reliability, and performance.
- Designed user-centric Databases with essential Stored Procedures, elevating overall system efficiency.
- Managed support tickets, and Data analysis for reporting, trend forecasting, and identification of improvement areas and proficiently addressed payment-related issues.

Projects (Explore My Portfolio)

1) Train Management System: GitHub

- Created intuitive, responsive portals tailored for various user roles using HTML, CSS, Java, and Apache Tomcat as the web server, allowing employees and IT administrators to have streamlined access to essential features.
- Created a robust relational database management system on the Oracle platform for storing and managing Trains inventory and transportation data.
- To maintain data integrity, I carried out entity-relationship modeling and normalization and enforced primary and foreign key constraints.
- Demonstrated proficiency in using Oracle as the preferred relational database management system to ensure efficient data storage and retrieval. Emphasized seamless database operations through user interactions with the application, rather than using SQL Developer directly.

2) Empowered Decision-Making Through Data Insights:

- Executed a meticulous analysis of a Kaggle dataset, demonstrating adept handling of over 1000 observations and addressing missing values.
- Addressed missing values with finesse, demonstrating proficiency in data cleaning and preprocessing methods.
- Created a predictive linear regression model with R, demonstrating a breadth of knowledge in both machine learning and statistical modeling for informed decision-making.
- To drive data-centric strategies, advanced data visualization techniques and hypothesis testing were used, allowing for easier interpretation of results and actionable insights.

3) Strategic Investment with Data Insights: Stock Price Predictions GitHub

- Python libraries such as NLTK, Pandas, NumPy, Scikit-Learn, Matplotlib, and TensorFlow were used to preprocess, analyze, and apply machine learning to stock price predictions derived from social media.
- Developed comprehensive evaluation plans that included dataset collection, NLTK preprocessing, and the use of classifiers such as Random Forest, Multinomial Naive Bayes, Logistic Regression, and Support Vector Classifier.
- Model performance was evaluated using metrics such as accuracy, precision, recall, F1-Score, and ROC Curve, taking into account bullish, bearish, and neutral sentiments as well as the current market trends.
- Contributed to a more nuanced understanding of how tweet sentiment influences stock trends compared to market benchmarks.

4) Tableau Projects:

- Developed a comprehensive Tableau project analyzing **Airbnb USA data** and **Netflix data**, providing insightful statistics on various attributes.