

# JOEL MIRANDA

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## SUMMARY

Enrolled in the MS in Information Technology and Management at Illinois Tech, I'm a software engineer with 2 years of experience seeking an internship in software development, data engineering, or data analysis. Proficient in management and social media marketing, I am highly motivated and actively looking for opportunities to apply my technical skills and analytical mindset in a professional setting.

## EDUCATION

Illinois Institute of Technology, Chicago, IL	Jan 2023 – Dec 2024
<b>Master of Science, Information Technology and Management</b> , Current GPA, 3.6	
Visvesvaraya Technical University, Belgaum, Karnataka, India	Aug 2016 – Aug 2020
<b>Bachelor of Engineering in Computer Science</b> , CGPA, 7.38	

## SKILLS

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

## WORK EXPERIENCE

### SOFTWARE DEVELOPER

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, Java 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.
- Proficiently addressed payment-related issues, adapting swiftly to C++ concepts and providing multi-channel technical support to clients.
- Managed support tickets, and harnessed Google Cloud Data analysis for reporting, trend forecasting, and identification of improvement areas.

### ENGINEERING INTERN

July 2019 – August 2019

#### EZ Technologies

Mangalore, Karnataka, India

- Created a web application utilizing Data Science algorithms, enabling users to determine the authenticity of news articles by predicting whether they are genuine or fabricated.
- The Support Vector Machine Algorithm was used in the application, and end users entered some news information, which was passed as a parameter to the prediction model. The application could predict with 83% accuracy.

## PROJECTS

### 1) City Train Management System

Developed a comprehensive Database Project, the City Train Management System, for the Chicago Transit Authority (CTA), encompassing the entire lifecycle of a DB application and a web-based management system. The project, which was designed for dual primary users, included features for IT administrators, allowing advanced functions such as user management and system configuration. Additionally, through a secure login system, CTA employees could easily access and modify train and train line information, improving operational efficiency.

### 2) Airbnb Project:

Developed a comprehensive Tableau project analyzing Airbnb USA data, providing insightful statistics on various attributes. [https://joelmiranda26.github.io/Tableau\\_Mini\\_Project/](https://joelmiranda26.github.io/Tableau_Mini_Project/)

## EXTRA-CURRICULAR ACTIVITIES

**Illinois Tech Varsity Athletic Events** Job Responsibilities - Event Scheduling, Results Updating, Teamwork.

Managed the scheduling and coordination of soccer, volleyball, basketball, swimming, baseball, and lacrosse events, ensuring smooth execution. Updated match results and stats on the website for real-time access, and effectively collaborated with teams and coaches to drive departmental success through strong teamwork and communication.