Riya Singh Patel

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**SKILLS**

* + **Core Competencies** - ETL, ELT, Data Pipeline designing, Data transformation, Data Modelling, BI Reporting.
  + **Programming Language** - Python, HTML, Linux/Unix, CSS
  + **Cloud and Big Data** - Apache Spark, Azure Data Factory, Hadoop
  + **Python/Pyspark Libraries** - NumPy, Pandas, Scikit-Learn, Matplotlib, OpenCV, Flask, selenium.
  + **Tools/Software** - Power BI, Tableau, Power Query, Git, JIRA, Freshdesk, ServiceNow Siebel CRM, Informatica
  + **Databases** - Microsoft SQL Server, Snowflake, MySQL, MongoDB, PostgreSQL, SQL Server, Oracle SQL
  + **Microsoft Suite** - MS Excel (functions, Pivot tables, VBA, charts, VLOOKUP’s, macros), Outlook, MS Word, MS SharePoint

# EDUCATION

**Master of Applied Computing** 09/2023 - 12/2024

University of Windsor • Windsor, ON

# WORK EXPERIENCE



**Icertis** 11/2021 - 08/2023

*Consultant | ETL, Data Modeling, Python, DAX, MySQL, Azure Data Factory, data pipelines*Pune, IN

* + Automated data acquisition and cleaning processes utilizing **Python libraries** such as **Selenium and Pandas.**
  + Created and implemented **ETL pipelines** for reporting purposes within **Azure Data Factory**.
  + Wrote **DAX Queries** and Developed **Power BI** dashboards for analyzing important **KPI’**s for Business users.
  + Developed and deployed quality **SQL codes, stored procedures, and triggers** to cut database populating time from **2 minutes to 56 seconds.**
  + Extensive Hands-on experience in complex projects in **software development life cycle** (SDLC) with best practices across all stages of **agile methodologies** (Scrum).
  + Created streamlined **data pipelines** to guarantee the seamless and precise transfer of data to designated destinations, all the while upholding data integrity.

**Thomson Reuters** 04/2018 - 10/2021

*Application Support Engineer | Operations, ITIL, Project Management, Change Management, Major Incident* Bangalore, IN

* + Gathered **client requirements** and delivered optimal solutions in **collaboration with stakeholders and cross-functional teams.**
  + Documented team’s tasks, ensuring timely and efficient task completion while maintaining high-quality standards.
  + Good understanding of **financial services**, including **cash flow, financial modeling, and valuation**, with a strong grasp of the inter-relationship between net income, cash flow, and working capital.
  + Prioritized issues based on severity and case volume and Utilized **ITIL** and **project management and change management** practices to proactively address and mitigate issues.
  + Identified potential risks and implemented strategies for **Process improvement and optimization**, ensuring project milestones were met without major setbacks and mitigated more than **20 high priority issues per week**.
  + Utilized monitoring tools like **Grafana, Compass, Kibana** for incident detection and support, and fixed the issue before major incidents.

# PROJECTS



***Harvest Pro Prediction****| Python, Dax, Power BI, Mongo DB, API, ETL, ML models*

* + Developed an advanced agricultural prediction tool utilizing **machine learning (Random Forest)** and data analytics to forecast crop yields and optimize farming practices.
  + Developed intuitive **Power BI** visualizations using **DAX** functions to present complex data and predictions for farmers.
  + Enhanced crop yield predictions using real-time and historical weather data via Weather **API.**

**Airbnb - SF |** *SQL, Tableau, NumPy, Pandas, Scikit-learn, Matplotlib*

* + Studied Inside Airbnb listings information for San Francisco to discover common patterns and estimate listing prices using different features using **Tableau**.
  + Employed Python libraries such as **NumPy, Pandas, Scikit-learn, mpl\_toolkits, and Matplotlib** for conducting data analysis and creating visualizations.
  + Utilized Scikit-learn's algorithm functions to create **machine learning models** for forecasting listing prices in San Francisco with accuracy.

***Shell*** *|C, Linux, Systems Programming*

* + Implemented own version of **shell from scratch** in **C** capable of handling various user commands and special characters.
  + Integrated support for handling special characters like **piping, redirection**, and conditional execution.
  + Supported a range of functionalities including **sequential execution** of commands, **background processing** and bringing background processes into foreground. Validation, validate,

# VOLUNTEER AND EXTRA ROLES



* + *Board member* - Women in Cybersecurity (WiCyS) in University of Windsor
  + *Professor* - in Govt. Polytechnic College and was teaching HTML, CSS, and basic computer architecture