

DARSHAN SARKALE

Data Analyst & Business Intelligence Analyst

📍 Ontario, Canada — ✉ darshansarkale098@gmail.com — ☎ +1-807-358-6709 — 💻 [darshan-sarkale98](#) — 🌐 [Portfolio](#)

EDUCATION

Lakehead University

Master of Science, Computer Science

Ontario, Canada

GPA: 87.33/100, May 2023

Gujarat Technological University

Bachelor of Engineering, Information Technology

Gujarat, India

CGPA: 9.44/10, Sep. 2020

TECHNICAL SKILLS

- **Programming:** Proficient: Python, SQL; Intermediate: HTML5, CSS3, JavaScript
- **Web Development:** Front-end: HTML5, CSS3, Javascript; Back-end: Flask
- **Data Science & AI Libraries:** Deep Learning: Keras; Machine Learning: Scikit-Learn, TensorFlow, NLTK; Data Manipulation: Pandas, Numpy; Visualization: Matplotlib
- **Databases:** Relational: SQL, MySQL; Server: Microsoft SQL Server
- **Cloud & Deployment:** AWS, Azure
- **Tools:** PowerBI, Tableau, Excel, PowerPoint, Github, VS Code, Google Colab
- **Others:** ETL, Data Cleaning, Data Visualization, Reporting, Statistical Analysis, Google Dialogflow

PROFESSIONAL EXPERIENCE

Lakehead University

Research Assistant

Jun 2023 – Present

Ontario, Canada

- Spearheaded innovative research under Prof. Akilan, achieving a 25% reduction in NLP false positives.
- Fostered partnerships with diverse universities, enhancing NLP models to boost accuracy by 20%, and documented in IEEE conference (Paper Link).

Softvan Pvt Ltd

Python Developer Intern

Jul 2019 – Apr 2020

Gujarat, India

- Pioneered the creation of Android and web apps using Flask and Python, attracting over 50+ active users.
- Integrated Google Dialogflow API seamlessly into chatbots, leveraging AWS EC2 capabilities, resulting in a 40% reduction in customer wait time and a 25% increase in customer satisfaction.
- Championed a team of 3, consistently delivering top-tier applications ahead of schedule, utilizing Agile methodology for enhanced collaboration and streamlined development processes.

Silverwings Technologies Pvt Ltd

Web Administrator Intern

Mar 2018 – Apr 2018

Gujarat, India

- Revitalized an intuitive, user-centric NGO website, resulting in its successful implementation across multiple high-impact web projects, driving engagement and expanding reach by 40%.
- Bolstered expertise in web hosting, achieving a 99.9% uptime for client sites.

PROJECT HIGHLIGHTS

Unleashing Insights from Winter Olympics Data - Azure, SQL Server, PowerBI

- Engineered and implemented a comprehensive ETL pipeline, seamlessly connecting on-premise SQL server to Azure Data Factory, optimizing data flow for enhanced real-time accessibility.
- Utilized a tech stack including Azure Data Factory, Databricks, and Azure Synapse Analytics to construct a robust data lake storage and implement advanced data transformations, resulting in a highly efficient Olympics dashboard with improved data analysis capabilities.

Customer Churn Analysis of Bank - PowerBI, SQL

Deployed Link: [Novypro.com](#)

- Developed an interactive Power BI dashboard from 10k customer data, enhancing retention strategies.
- Incorporated data visualization components, KPIs, donut charts, pie charts, and slicers for data filtering.

Sales Insights: E-commerce Performance Dashboard - PowerBI, Excel

Deployed Link: [Novypro.com](#)

- Constructed and deployed a Power BI dashboard featuring crucial USA e-commerce metrics, resulting in a substantial 15% improvement in profit margins.
- Spearheaded the use of data gathering, analysis, manipulation, and visualization techniques, resulting in well-informed decision-making and a 20% boost in revenue.

Airlines Data Analysis - Python, SQL

Deployed Link: [Github](#)

- Optimized SQL queries and leveraged Python to enhance data processing efficiency, resulting in a remarkable 10% increase in occupancy rate and an impressive additional \$500K in annual revenue.

NLP-driven Content Classification Detection - Python, Keras

Deployed Link: [Github](#)

- Developed NLP models for content classification, exceeded benchmarks, and authored a 5-page IEEE-formatted report.