DARSHAN SARKALE

Data Analytics & Cloud Specialist

 Ontario, Canada — darshansarkale098@gmail.com — +1-807-358-6709 — darshan-sarkale98

EDUCATION

Lakehead University — **Ontario, Canada**
Master of Science, Computer Science — *GPA: 87.33/100, May 2023*

Gujarat Technological University — **Gujarat, India**
Bachelor of Engineering, Information Technology — *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; *Visualizaition:* 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

Vosyn — **Jan 2024 – Present**
AI Software Developer Intern — *Etobicoke, Canada*

- Led the optimization of an advanced AWS pipeline for deploying and scaling machine learning models, specializing in Text-to-Speech (TTS) advancements. Achieved a 30% decrease in deployment time and a 20% enhancement in TTS quality.
- Applied NLP and ML techniques for comprehensive data analysis, delivering actionable insights in a dynamic startup setting. Fine-tuned TTS models, resulting in a notable 30% reduction in speech recognition errors, enhancing user experience.

Lakehead University — **Jun 2023 – Dec 2023**
Research Assistant — *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 — **Jul 2019 – Apr 2020**
Python Developer Intern — *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.

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 Azure Data Factory, Databricks, and Azure Synapse Analytics to create a robust data lake and implement advanced transformations, enhancing the efficiency of the Olympics dashboard with improved data analysis.

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**

- Designed and deployed a Power BI dashboard for USA e-commerce metrics, leading to a significant 15% improvement in profit margins.

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.

CERTIFICATIONS

- **Expected: CISCO Certified Data Analyst** — **Feb 2024**