

VISHWA MALANI

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Location : 85 Silver Springs Blvd, Toronto, ON

Professional Summary

Data Scientist with proven expertise in **data engineering**, **model development**, and **machine learning** to solve complex business problems. Experienced in building and deploying **ETL pipelines** and **AI models** in cloud environments, with a focus on healthcare and large datasets. Proficient in statistical analysis, **A/B testing**, and delivering actionable insights from data. Strong communication skills and experience collaborating with cross-functional teams, including engineers, analysts, and domain experts.

Technical Skills

- **Data Science & AI:** Regression, Classification, Clustering, NLP, Deep Learning
 - **ETL & Data Engineering:** PySpark, Data Wrangling, ETL Pipelines, Feature Engineering, Data Warehousing
 - **Machine Learning Tools:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, PyTorch
 - **Programming Languages:** Python, SQL, JavaScript, C++, C
 - **Statistical Methods:** Hypothesis Testing, A/B Testing, Experimental Design
 - **Visualization & Reporting:** Tableau, seaborn, Matplotlib, Plotly
 - **Collaboration & Communication:** Cross-functional teamwork, data storytelling
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Education

Conestoga College, Kitchener, ON (Jan 2023 – Apr 2024)

Ontario College Graduate Certificate – Web Development

Relevant Courses: Python, SQL, Deep Learning, Data Analytics, Image Processing

Gujarat Technological University, Vadodara, India (Aug 2017 – Jul 2021)

Bachelor of Engineering in Computer Science

Relevant Courses: Data Science, Machine Learning, Research Methods, Statistical Analysis

Professional Experience

TechoMax Solution™ | Jr. Data Scientist (May 2022 – Aug 2023)

- Designed, built, and optimized **ETL pipelines** to handle large-scale data from various business domains.
- Developed and deployed **ML models** for predictive analytics, classification, and clustering tasks.

- Led **statistical analysis** projects, including **A/B testing** and **hypothesis testing**, to validate findings and improve business decision-making.
- Collaborated with cross-functional teams to translate business needs into **AI/ML solutions** that impacted key business metrics.
- Automated workflows using **Airflow** and **PySpark**, resulting in more efficient data processing pipelines.

Certifications

- **Data Analytics with Python**, Vadodara, IN (*Aug 2018 – Nov 2020*)
Topics: Python, Keras, AI, Machine Learning Algorithms, Data Science, Data Preprocessing, Transfer Learning

PROJECTS & RESEARCH

Wildfire Detection Using Deep Learning

- This research comprehensively explores various Machine Learning algorithms and methodologies employed in wildfire detection. Through a thorough review of related literature, we analyze the efficacy of different approaches, ranging from **deep learning models** such as **Convolutional Neural Networks (CNNs)** to **Recurrent Neural Networks (RNNs)** and beyond. By synthesizing insights from prior research, we identify trends, strengths, and limitations of existing techniques, laying the groundwork for our proposed solution.

Smart Attendance System Using OpenCv

- Simple and user friendly face recognition system that uses advanced technologies like Image Processing with python ,machine learning algorithms and PHP API and for front end we have used HTML & CSS .
- The main objective of invention is in which number of students present during a lecture is observed (or employees),through webcam their image is captured in the system and then the face is compared with the data stored in Database which later stores the information of attendance.

Movie Recommender System

- Designed a **collaborative filtering-based recommendation engine** for personalized content suggestions.
- Optimized **matrix factorization techniques** for better user experience and retention.

Vishwa Malani

Toronto, ON, Canada

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Dear Hiring Manager,

I am eager to apply for the Data Scientist or Data Analyst position at your company. With experience in data science, AI-driven analytics, and customer intelligence, I bring a deep understanding of developing predictive models, optimizing data pipelines to drive business performance. My expertise in Python, SQL, and machine learning, aligns closely with the requirements of this role.

In my previous role at TechoMax Solution, I successfully designed and optimized **ETL pipelines**, ensuring efficient data extraction and transformation for large datasets. I have extensive experience building, training, and deploying **ML models** to solve complex business challenges, including healthcare-related predictive models. My proficiency in **A/B testing**, **hypothesis testing**, and **deep learning** tools like **TensorFlow** and **Keras** enables me to deliver actionable insights from large datasets and communicate findings effectively to both technical and non-technical stakeholders.

I committed to leveraging data analytics for improved customer experience and strategic decision-making. I am eager to contribute my skills in machine learning, database management systems, and visualization to drive impactful insights for your organization. I would welcome the opportunity to discuss how my expertise aligns with your team's objectives.

Thank you for your time and consideration. I look forward to the opportunity to contribute to your company.

Sincerely,

Vishwa Malani