

JAY JITENDRA SHAH

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Objective

Ambitious and results-driven aspiring Machine Learning Engineer with hands-on experience in developing and deploying predictive models. Proficient in Python, TensorFlow, and Scikit-Learn, I excel in building end-to-end ML pipelines—from data preprocessing and feature engineering to model validation and deployment. Seeking to contribute my technical expertise and passion for innovative solutions to drive impactful machine learning projects.

Skills

- **Programming & Analysis:** Python (Pandas, NumPy), SQL, C++, Java
- **Data Visualization:** Tableau, Matplotlib, Seaborn
- **Machine Learning & AI:** Predictive Modeling, Neural Network, Model Validation, Feature Engineering, Data Cleaning
- **Tools & Technologies:** TensorFlow, Pandas, NumPy, Scikit-Learn, ETL Processes, Git, Jupyter Notebook, VS Code

Education

- Post-Graduate Certificate: **Applied AI Solutions Development**
George Brown College, Toronto, ON *Expected: August 2025*
 - **Project:** Developed a **Mushroom Classification Model** using **Random Forest and SVM**, achieving **93.67% accuracy**.
- Post-Graduate Certificate: **Information Technology**
Algoma University, Brampton, ON *Completed: April 2024*
 - **Achievement:** Participated in competitive programming, solving complex problems using **SQL and Java**.
- Bachelor of Technology: **Electronics and Communication Engineering**
Charotar University of Science and Technology, Anand, GJ India *Completed: May 2022*
 - **Project:** Developed a **Python-based Keylogger** for capturing system data and user activity

Professional Experience

- Produce Associate at Walmart, Mississauga, ON (Part-time)** *April 2024 – Present*
 - Analyzed inventory trends to optimize stock management, reducing product waste by 15%.
 - Conducted inventory audits and resolved discrepancies, ensuring product availability.
 - Assisted in operational efficiency improvements through data-driven decisions.
- Cashier/Stocker at The Beer Store, Mississauga, ON** *September 2023 – December 2024*
 - Managed cash reconciliation and financial transactions with 100% accuracy.
 - Analyzed sales data to optimize product placements, increasing sales by 8%.
 - Led promotional initiatives, enhancing revenue streams through targeted recommendations.
- IELTS Tutor at Enbee Education Center, Vadodara, India** *October 2021 – February 2023*
 - Designed data-driven learning plans, improving student test performance by an average of 15%.
 - Conducted performance trend analysis to provide targeted tutoring interventions.

Projects

- **Financial Credit Card Lead Prediction:**
 - Built an end-to-end ML pipeline in Python to determine creditworthiness.
 - Streamlined data cleaning, feature selection, and model evaluation, accelerating decision-making.
- **Cryptocurrency Price Prediction:**

- Utilized Python Libraries (Pandas, NumPy) for data wrangling and feature engineering.
- Implemented regression algorithm, refining accuracy through accelerating decision-making.
- **Mushroom Classification:**
 - Achieved 93.67% accuracy using Random Forest and SVM models.
 - Demonstrated effective data visualization techniques to communicate results.

Certifications

- Tableau Desktop Specialist Certification Exam Prep – Udemy (Ongoing)
- A.I & Machine Learning, Data Science Bootcamp – Udemy
- The Complete Python Developer – Udemy
- IBM Cybersecurity Analyst Professional Certificate – Coursera

Additional Information

- Availability: 4-month work term (May 5 – August 29, 2025)
- Eligible to work full-time (37.5 hrs/week) in Canada as part of a recognized Co-op Program.