ARCHIT TRIVEDI

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# SUMMARY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Enthusiastic and detail-oriented Machine Learning Programmer with a background in Artificial Intelligence and Machine Learning.
* Skilled in Python, C, C++, C#, and Java, with model training and development expertise.
* Experienced in software development, project management, and technical documentation.
* Proven ability to excel in dynamic environments, delivering high-quality solutions to meet client requirements.

# SKILLS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Programming: Python, R, SQL, MATLAB, JavaScript, C, C++, C#, Java, PyQt5, HTML, CSS.
* Cloud Platforms: AWS (Sage Maker, S3, EC2 etc.), Microsoft Azure, Google Cloud platform
* Databases: Relational and non-relational databases like MySQL and NoSQL
* Data Science Tools: Jupyter, PyCharm, Pandas, NLTK, Scikit-learn, Tableau, DOMO, Matplotlib, Seaborn, Flask, SciPy, NumPy, etc.
* Machine Learning: Predictive Modeling, Data Mining, Optimization, Supervised and unsupervised ML, Clustering,

Natural Language Processing (NLP), Recommender Systems, Time Series, k-NN, Regression, Decision Forests, Neural Nets, XGBoost, Naive Bayes, SVM, etc.

* Deep Learning: TensorFlow, PyTorch, Keras
* Project Management Tools: Jira, Confluence, Sales Force etc.
* Business Skills: Fraud Analytics, Critical Thinking, Decision-Making, Product Development and Validation, GIS analysis,

End-To-End Process Analysis, Software Development and Collaboration, Project Execution and Management, Conflict Resolution, and Team Management.

# PROFESSIONAL EXPERIENCE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Loblaw Companies Ltd. | Scarborough, Ontario, Canada Product Clerk | October 2022 – Till Date

* Replenish shelves and displays with new stock, monitor inventory levels, and report any shortages or discrepancies to management.
* Maintain attractive and organized product displays that adhere to company standards, ensuring products are easy to locate and appealing to customers.
* Assist, answer questions, and offer product recommendations, ensuring high customer satisfaction.

TOPS Technologies | Gujarat, India Intern | April 2021 - May 2022

* Assisted in Application Development: Contributed to the development of Python-based applications under the guidance of senior developers, gaining hands-on experience with frameworks like Django and Flask.
* Script Writing and Automation: Developed and optimized Python scripts to automate routine tasks, improving operational efficiency.
* Data Handling and Analysis: Worked with data extraction, cleaning, and analysis tasks using libraries like Pandas and NumPy, supporting data-driven decision-making processes.
* Testing and Debugging: Assisted in writing and running unit tests, and participated in debugging sessions to resolve software issues.
* API Integration: Supported the integration of RESTful APIs into existing systems, learning how to handle data exchange between client and server.
* Documentation: Contributed to writing and updating technical documentation for codebases and processes, ensuring clarity and ease of understanding for future developers.
* Learning and Development: Engaged in continuous learning by attending workshops, coding challenges, and studying best practices in Python development.
* Collaboration: Worked closely with team members, attending meetings, and contributing to project discussions, fostering teamwork and communication skills.

Global Garner Sales Services Private Limited | Gujarat, India Software Developer (Python) | July 2018 - March 2021

* Developed and Maintained Applications: Designed, developed, and maintained web applications and backend systems using Python, Django, and Flask frameworks.
* Database Management: Worked with SQL and NoSQL databases like PostgreSQL and MongoDB, writing complex queries, optimizing performance, and managing data migrations.
* API Development: Built RESTful APIs for integration with frontend applications, ensuring secure and efficient data exchange between services.
* Automation and Scripting: Automated repetitive tasks and developed scripts to improve efficiency using Python.
* Testing and Debugging: Implemented unit and integration tests to ensure software quality, and debugged issues in production environments.
* Version Control: Collaborated with team members using Git for version control, handling branching, merging, and pull requests.
* Code Review and Best Practices: Participated in code reviews, adhering to Python coding standards and best practices to maintain code quality and consistency.
* Collaboration: Worked closely with cross-functional teams, including frontend developers, QA engineers, and project managers to deliver robust software solutions on time.
* Deployment: Managed deployment pipelines using CI/CD tools like Jenkins, Docker, and Kubernetes for smooth and automated deployments.

PROJECTS

WIL Project Simulator | Toronto, Canada Machine Learning Programmer | January 2024

* Utilized machine learning and AI techniques to address challenges in data analysis, predictive maintenance, and user satisfaction, increasing efficiency and effectiveness. Developed scalable systems architectures to handle increasing data volumes and user traffic, overcoming processing bottlenecks and enabling real-time analytics. Conducted cost-benefit analyses for various solutions, resulting in a significant increase in scalability and elasticity by 52%. Designed and implemented data models for efficient evaluation, leading to improved decision-making and problem-solving. Strong background in geospatial analysis, market trend analysis, and dynamic pricing strategies. Excellent communication skills demonstrated through effective project management and clear presentation of findings, resulting in increased stakeholder satisfaction.

Detecting Dyslexia Through Eye Movement | Toronto, Canada Machine Learning Programmer | April 2023

* Developed a custom prototype and machine learning models to diagnose dyslexia by analyzing eye movements captured from videos. Implemented a 3D model of the eyes rendered through X, Y, and time graphs to eliminate body movement interference. Utilized machine learning algorithms including Support Vector Classification (SVC), Random Forest, K-Nearest Neighbors (KNN), and Neural Networks to predict dyslexia.

Software Tool for Parkinson Pre-Screening using Image Processing and Machine Learning | Toronto, Canada

Machine Learning Programmer | April 2023 • Developed a software tool for Parkinson's pre-screening using image processing and machine learning techniques. Utilized image processing to analyze different patterns and detect signs of Parkinson's disease. The system segmented images into 30different parts, measuring the length from one point to another to identify variations indicating Parkinson's. Implemented contouring based on hue and axis.

E - PLASTIC | Gujarat University, India Python Developer | April 2019

• Developed an Online Plastic Collection System for the collection of electronic waste materials. Enabled customers to define details about the type of waste they possess and facilitated monetary compensation for the waste materials. The system facilitated seamless exploration and recycling of electronic waste within the company.

EDUCATION

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| Lambton College | Toronto, Canada.  P.G Diploma - Artificial Intelligence and Machine Learning  Gujarat University | Gujarat, India  Bachelor - bachelor’s in computer application  CERTIFICATES | GPA 2.8 | April 2024 GPA 6.69 | June 2021 |

University of Washington | Machine Learning Foundation: A Case Study Approach | February 2020

University of Michigan | Programming for Everybody (Getting Started with Python) | June 2020

Way 2 Code Technologies | Core Java | April 2019

N.S.D.C with TOPS Technologies | Certified Python Developer | May 2022

Swarrnim Startup & Innovation University | Recent Trends on IoT | November 2019

NASSCOM FOUNDATION | Life and Employability Skill | February 2019