

VRISAG PATEL

100 Dalhousie St., Toronto M5B 0C7|vrisag.patel@torontomu.ca | Linkdin : [vrisagpatel](#) | GitHub : [vrisagp](#) | Potfolio : [vrisagpatel](#)

SUMMARY

- Highly motivated third-year Computer Science student with strong leadership, teamwork, and problem-solving skills.
- Proven ability to manage and optimize processes, improve operational efficiency, and lead effective marketing campaigns.
- Passionate about technology, continuous learning, and applying technical expertise in software development, machine learning, and cloud computing.

EDUCATION

Bachelor of Science in Computer Science

January 2023-December 2027

Toronto Metropolitan University, Toronto, ON

PROFESSIONAL EXPERIENCE

Vice President – Marketing

Hindu Student Association, Toronto Metropolitan University, Toronto, Canada

September 2024 – Present

- Led targeted digital marketing campaigns, increasing event attendance by 25% and significantly improving digital engagement.
- Developed strong collaboration, marketing strategy, and content creation skills through promoting organizational events.
- Gained valuable insights into audience analysis, strategic communication, and project management, enhancing future roles in team leadership and digital marketing.
- Coordinated with multiple student groups, significantly expanding the organization's outreach and presence within the campus community.

Supervisor

Osmow's Shawarma, Toronto, Canada

May 2023 – November 2024

- Managed inventory control, staff scheduling, and streamlined service processes, reducing discrepancies by 15% and enhancing customer satisfaction.
- Developed strong skills in operational management, team coordination, and problem-solving under pressure.
- Acquired practical insights into efficient resource management and leadership, valuable for future professional environments.

PROJECTS

Designed and mentored new employees, improving team productivity and workplace morale.

Wine Quality Prediction Using Machine Learning

- Developed predictive models (Logistic Regression, KNN, Decision Tree, Random Forest, SVM) to determine wine quality using Python and scikit-learn.
- Conducted extensive data preprocessing, feature selection (RFE), and exploratory data analysis to optimize model accuracy.
- Learned critical analytical and machine learning model deployment skills, enhancing future data-driven decision-making.
- Performed model validation and tuning, achieving robust predictive accuracy and enhanced data interpretation capabilities.

IT Consulting Company Website

- Built a responsive and dynamic frontend website using Vue 3, Vue Router, and Vite to showcase consulting services.
- Managed project architecture, implemented scalable routing, and optimized website performance.
- Enhanced proficiency in frontend web development, UI/UX principles, and modern JavaScript frameworks.
- Improved understanding of client requirements, translating business goals into effective digital solutions.

Emotion Recognition (Facial Recognition)

- Created real-time emotion detection using Python, Keras, and OpenCV, leveraging CNN models trained on FER-2013 dataset.
- Designed and implemented a real-time system to predict emotions via webcam feed, displaying probabilities for detected faces.
- Strengthened practical skills in deep learning, computer vision, and real-time application development.
- Conducted comprehensive testing and evaluation, refining the system's accuracy and responsiveness.

Real Estate Website

- Developed a fully responsive static real estate website using HTML, CSS, and JavaScript.
- Implemented clean design, intuitive user navigation, and effective content presentation.
- Improved practical frontend development and user-centric design abilities.
- Integrated interactive features enhancing user experience and site interactivity.

Parallel Processing Analysis (DSMP)

- Compared the efficiency of K-Means clustering and Similarity algorithms in parallel processing environments.
- Analyzed processing time versus nodes, demonstrating the scalability advantage of Similarity algorithms.
- Acquired valuable experience in parallel computing, algorithm analysis, and data processing techniques.
- Documented clear analytical insights, presenting the findings through detailed reports and visualizations.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, HTML/CSS, Java, SQL, C
- **Frameworks & Libraries:** Vue.js, React.js, Flask, Node.js, Keras, OpenCV, scikit-learn
- **Tools & Platforms:** Git/GitHub, Vite, Visual Studio Code, Jupyter Notebooks, Docker, UNIX
- **Cloud Computing:** AWS (EC2, S3, IAM), Google Cloud Platform fundamentals (Dataplex, Cloud Shell)
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Operating Systems:** Windows, Linux, macOS
- **Machine Learning:** Supervised Learning, Unsupervised Learning, Neural Networks, Artificial Intelligence Fundamentals
- **Design & Prototyping:** Figma, Adobe XD
- **Mathematics & Algorithms:** Linear Algebra, Probability and Statistics, Discrete Mathematics, Data Structures, Operating Systems