

# Vinit Vekaria

(647) 471-6196 vekariav@uwindsor.ca GitHub LinkedIn Windsor, ON(Ready to relocate)

## SUMMARY

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Inventive and results-driven AI/ML Engineer with experience building production-ready AI agents, full-stack platforms, and visualization tools to solve real-world problems. Proficient in Python, LangChain, React, and FastAPI, with a focus on scalable LLM-based systems, scientific workflows, and customer-facing solutions. Recently completed a Master's in Applied Computing. Authorized to work in Canada.

## TECHNICAL SKILLS

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- **Languages:** Python, SQL, C++, JavaScript, React, Node.js
- **AI/ML:** LLMs, OpenAI API, LangChain, Huggingface, GANs, TensorFlow
- **Cloud & DevOps:** FastAPI, GitHub Actions, AWS (basic), MySQL, CI/CD
- **Automation:** Streamlit, Selenium, Pytest, n8n
- **Visualization & Data:** Pandas, NumPy, Power BI, Tableau
- **Tools:** Git, JIRA, Confluence, Azure (basic)

## EDUCATION

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**Master of Applied Computing** Jan 2024 - Apr 2025  
University of Windsor • Windsor, ON

**Bachelor of Engineering** Jul 2019 - May 2023  
University of Mumbai • Mumbai, India

## WORK EXPERIENCE

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**AI Agent Developer (Freelance)** June 2024 – Present  
• Canada

- Built scalable AI agents using OpenAI APIs and LangChain for customer support and automation.
- Integrated real-time data workflows with FastAPI and n8n on cloud-native architecture.
- Delivered performance monitoring, fallback logic, and modular deployment-ready systems.

**Software Developer Intern** Sep 2022 – Dec 2023  
• SnapGrab.inc • Mumbai, India

- Developed ML-powered sentiment analysis pipelines for customer insights.
- Built interactive BI dashboards in Power BI and Tableau for executive visibility.
- Automated weekly reporting via scripting, improving operational efficiency.

## PROJECTS

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**Academic Project Collaboration Platform ([SparkLink](#))** Jan 2024 – Apr 2024  
University of Windsor • Windsor, ON

- **Technologies used:** React.js, Node.js, Express.js, MySQL.
- Built a live academic collaboration platform with role-based access, team formation, and resume uploads.
- Integrated Python microservices and secure authentication using Passport.js and Sequelize.
- Actively used by the University of Windsor to support project-based collaboration.

<b>Learning center for the employees (<a href="#">RockLearn</a>)</b>		Sep 2024 - Dec 2024
University of Windsor • Windsor, ON		
<ul style="list-style-type: none"> <li><b>Technologies used:</b> React.js, Node.js, TailwindCSS.</li> <li>Created a GitHub-integrated learning portal using React.js and Node.js.</li> <li>Ensured real-time content updates with dynamic backend/frontend sync.</li> </ul>		
<b>Cybersecurity Enhancement Platform (<a href="#">CyberSentinel</a>)</b>		May 2024 - Aug 2024
University of Windsor • Windsor, ON		
<ul style="list-style-type: none"> <li><b>Technologies used:</b> Python, Streamlit, Llama3, MySQL, Alteryx .</li> <li>Built an AI dashboard that delivered real-time risk analysis using custom-trained LLMs.</li> <li>Integrated backend data flows using Alteryx and visualized with Streamlit.</li> </ul>		
<b>GAN-based Image Authenticity Detection Model (<a href="#">AI vs AI</a>)</b>		Jan 2024 - Apr 2024
University of Windsor • Windsor, ON		
<ul style="list-style-type: none"> <li><b>Technologies used:</b> Tensorflow, Python, Huggingface, GAN .</li> <li>Trained adversarial models to detect synthetic media using real-world datasets.</li> <li>Tuned hyperparameters and pipelines for optimized classification accuracy.</li> </ul>		
<b>Autonomous AI Chat Agent for Customer Support</b>		Jul 2024 - Oct 2024
<ul style="list-style-type: none"> <li>Canada             <ul style="list-style-type: none"> <li><b>Technologies used:</b> Python, OpenAI API, LangChain, FastAPI, N8N.</li> <li>Developed GPT-based chatbot with LangChain, FastAPI, and Streamlit analytics.</li> <li>Enabled real-time customer support and interactive feedback tracking.</li> </ul> </li> </ul>		

## CERTIFICATIONS

<ul style="list-style-type: none"> <li>Introduction to Spark SQL and Data Frames</li> </ul>		May 2024 - May 2024
<ul style="list-style-type: none"> <li>Learning Hadoop</li> </ul>		Jun 2024 - Jun 2024
<ul style="list-style-type: none"> <li>Agile project management with Jira</li> </ul>		Mar 2024 - Mar 2024

## EXTRACURRICULAR ACTIVITIES

<ul style="list-style-type: none"> <li><b>Research Author</b> — Published paper on fitness tracking app integrating real-time heart rate with music playback (IJRASET Vol 11, Issue IV).</li> </ul>		
<ul style="list-style-type: none"> <li><b>Coding Competition Runner-up</b> — Universal College of Engineering: Blind Code event finalist, demonstrating algorithmic and logical excellence.</li> </ul>		