

AVISH KADAKIA

+1 807 358 0441

✉ avishkadakia1996@gmail.com

🌐 www.avishkadakia.com

in [avish-kadakia-3a6591116](https://www.linkedin.com/in/avish-kadakia-3a6591116)

SKILLS

AI & ML | Large Language Models • Multimodal Systems • Random Forest • CNNs • RL • PPO

Deep Learning | Proficient with TensorFlow • PyTorch • Sklearn • Transformers • AutoGen

Data Science | SQL • Advanced Analytics • Databricks • PySpark

Cloud & DevOps | AWS • Model Deployment • Docker • CI/CD • RAG

Research & Innovation | AI Strategy • Algorithm Optimization • Research Techniques

Software Development | Python • API Development • System Design

Soft Skills | Problem Solving • Adaptability • Analytical Thinking • Innovation

EXPERIENCE

CURINOS | Senior Machine Learning Engineer | Aug 2022 - June 2024 | Toronto, Canada
SQL, Python, Databricks, PySpark, Machine Learning, Reinforcement Learning, Sklearn

Adaptive Marketing Email Generator using LLaMA and Pinecone (Hackathon Winner)

- Leveraged Meta's open-source LLM, LLaMA, in conjunction with the Pinecone vector database to store and manage a vast collection of marketing email templates.
- Developed and deployed a system that utilizes LLaMA to generate personalized, context-aware marketing emails in real-time based on user interactions and feedback.
- Enhanced the system's ability to understand and respond to user context, resulting in significantly higher engagement rates and improved customer satisfaction.

Amplero personalization optimizer model deployment & enhancement

- Ideated and implemented AI enhancements, achieving a 15% lift in predictive model accuracy.
- Led the incorporation of deep learning tools (PyTorch, TensorFlow, sklearn) to drive innovative solutions, reinforcing business objectives.
- Improved data-driven strategies through advanced SQL analytics, catalyzing a 20% growth in sales revenue.

Personalized recommendations based on marketing engagement

- Analyzed user feedback leveraging ML algorithms, refining marketing strategies to boost customer retention.
- Engineered a predictive model that translates engagement feedback into actionable insights for targeted content delivery.
- Led the engineering of an agile analytics framework, improving operational speed and decision-making by 35%.

PROFERO TECHNO | Senior Software Engineer | Nov 2019 - Nov 2021 | Mumbai, India

Docker, Python, React, AWS, TerraForm, NodeJs, Flask, Django

Elevated customer satisfaction by 20% MoM through UX enhancements, led cross-functional collaboration, rapidly debugged and improved Profero Techno's software, and initiated feedback systems and training to align product development with client needs and current technologies.

DEVOMARK | DevOps Engineer | Mar 2019 - Oct 2019 | Mumbai, India

AWS, EC2, RDS, CI/CD, Docker, TerraForm

Maintained CI/CD workflows, optimized cloud infrastructure, transitioned to a microservices architecture to enhance scalability, supervised GitHub repository security, and collaborated to lay the foundation for robust infrastructure supporting new releases.

MAQ Software | Software Engineer I | Aug 2018 - Feb 2019 | Mumbai, India

SQL, PowerBI, Tableau, SSMS, HTML, CSS, Javascript

Developed interactive dashboards for comprehensive data analysis, refined testing frameworks to enhance code standardization, architected automation tools to improve click-through rates, fortified web platform testing reducing glitches, and collaborated closely with QA to ensure high-quality web app launches.

EDUCATION

**Lakehead University -
Thunder Bay, Canada**

Master of Computer Science
May 2022 | Ontario, Canada
GPA: 3.74/4

**Vidyalankar Institute of Technology -
Mumbai, India**

Bachelor's in Information Technology
May 2018 | Maharashtra, India
GPA: 8.98/10

PUBLICATIONS

**Multi-Modal Instruction based
Reinforcement Learning using MoME
Transformer** | [\[Read\]](#)

Introduced a MoME transformer-based reinforcement learning model for multimodal tasks that combines language and vision, trained on MNIST to link images with textual labels using ResNet18 and GLoVe embeddings.

**Smart Mapping and Prediction Using
Aggregation and Artificial Intelligence
(SMPAAI)** | [\[Read\]](#)

Developed an AI-powered Vacuum Robot with smart mapping for automated and scheduled cleanings, featuring manual control and a bagless dirt disposal system, as detailed in the paper

CERTIFICATES

- IBM Machine Learning Professional Certificate [\[Certificate\]](#)
- Machine Learning Engineering for Production (MLOps) Specialization [\[Certificate\]](#)
- Google Data Analytics Professional Certificate [\[Certificate\]](#)
- Microsoft Exam 768: Developing SQL Data Models [\[Certificate\]](#)
- Microsoft Exam 761: Querying Data with Transact-SQL [\[Certificate\]](#)
- Microsoft Exam 778: Analyzing and Visualizing Data with Power BI [\[Certificate\]](#)