

VIKI PATEL

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

- Software Engineer with a strong background in designing and implementing efficient systems. Experienced in developing scalable solutions and working with a variety of technologies, including cloud platforms, databases, and data engineering. Adept at collaborating with teams to solve complex problems and improve software performance. Passionate about continuous learning and delivering impactful solutions.

SKILLS

- **Programming Languages:** Python, JavaScript, C, C++, Java
- **Data Engineering & ELT:** Snowflake, ETL/ELT pipelines, data transformation
- **AI & ML Frameworks:** LangChain, GPT, Transformers, AutoGen, TensorFlow, Keras, LLAMA
- **Cloud Platforms:** Azure (App Services, Azure Functions, OpenAI Service, Cognitive Services), AWS (EC2, S3, Lambda)
- **Web Frameworks:** React.js, Node.js, Django, Flask, FlaskAPI
- **Data Science & Analytics:** Pandas, NumPy, Matplotlib, Power BI, Tableau
- **API Development:** RESTful APIs, Azure API Management
- **Databases:** MySQL, SQL Server, MongoDB, Cloud Databases
- **Version Control:** Git, GitHub, GitLab
- **Methodologies:** Agile, SDLC, CI/CD

PROFESSIONAL EXPERIENCE

Knovatek Inc

Sep 2024 – Present

AI Developer

Toronto, Canada

- Designed and deployed machine learning models for predictive analytics and customer insights, improving decision-making processes.
- Developed and fine-tuned Generative AI applications using LangChain and GPT models to automate and enhance business workflows.
- Developed high-performing ELT pipelines to process and transform unstructured data.
- Optimized database queries and designed scalable Snowflake-based data solutions.
- Implemented CI/CD pipelines for automated deployments and testing.
- Collaborated with remote teams using Agile methodologies.

PeerCodes Digital Solutions

Aug 2020 - Jan 2023

Web Developer

Gujarat, India

- Built and maintained dynamic web applications using React.js, Node.js, and Python frameworks such as Flask.
- Integrated RESTful APIs for data exchange, improving scalability and functionality of business platforms.
- Developed secure user authentication systems using JWT and OAuth protocols.
- Collaborated with cross-functional teams to deliver responsive, user-friendly interfaces.

InheritX Solutions

July 2019 - July 2020

QA Engineer

Gujarat, India

- Automated test case generation using NLP algorithms, improving coverage and reducing manual intervention.
- Deployed machine learning models to intelligently guide test case execution, optimizing the testing lifecycle.
- Reduced testing time by 20% while improving overall software reliability through AI-driven testing solutions.

EDUCATION

Lambton College

May 2023 - Jan 2025

Graduate Certificate in Artificial Intelligence and Machine Learning

Toronto, Canada

- Completed advanced coursework in NLP, deep learning, and model optimization with applications in predictive analytics and financial modeling.
- Achieved GPA: 3.418; Recognized on Dean's Honor List.
- Led collaborative AI/ML projects focused on real-world data analytics, customer insights, and operational efficiency.

Gujarat Technological University

July 2015 – June 2019

Bachelor's in Computer Engineering

Gujarat, India

- Specialized in programming, algorithms, and system design, completing a full-stack web development project using Node.js, Angular, and MongoDB.
- Developed strong expertise in C, C++, Java, and SQL, applying skills in various academic projects.

PROJECT EXPERIENCE

Stock Price Prediction Using AutoGen

AI Developer (Knovatek Inc) | **Technologies:** AutoGen, GPT, Python, TensorFlow

- Researched and implemented bias-reduction strategies to improve forecast accuracy.
- Developed model evaluation pipelines to assess fairness and performance.

Abbrivio AI - Text Summarization

AI/ML Course Work | **Technologies:** React, Django, Encoder-Decoder with Self-Attention, Fine-tuned BART Model

- Designed a text summarization tool leveraging fine-tuned GPT models, achieving over 85% accuracy in summarizing large texts.

Chatbot Development for Dollarama Store

AI/ML Course work | **Technologies:** Django, React.js, Hugging Face, LangChain, NLP, Machine Learning, Azure, Snowflake, Python, AWS Lambda, SQL

- Developed and deployed a Generative AI chatbot with Azure Cognitive Services, enhancing customer engagement.
- Implemented ELT pipelines with Snowflake and AWS Lambda, improving data processing and performance by 30%.

CERTIFICATIONS

- **Web Development in Angular.js and Node.js** | Akash Technolabs
- **Web Development** | Udemy

AWARDS

- **Employee Of The Year** | PeerCodes Digital Solutions (2022)
Awarded for outstanding contributions to project delivery and innovation.
- **Best Performer** | Robo Techfest (2018)
Recognized for exceptional performance in AI and robotics challenges.