

# SAI KIRAN PILLI

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**Data Analyst with expertise in SQL, data analysis, machine learning, and cloud technologies, backed by experience as a Software Developer working alongside analytics teams to optimize workflows and ensure data compliance.**

## PROFESSIONAL SKILLS

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- **Programming Languages:** Python, C, Java, SQL, OOP - Object Oriented Programming.
- **Cloud:** Azure (Databricks, Synapse Analytics, Data Factory, Data Lake, Machine Learning)
- **Data Processing and Analysis:** Apache Spark, Hadoop, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Keras, Supervised and Unsupervised Learning, Deep Learning.
- **Database Technologies:** Relational databases (MySQL), NoSQL databases (MongoDB), SQL
- **Mathematics:** Linear Algebra, Statistics, Probability
- **Data Visualization:** Power BI, matplotlib, seaborn, Plotly, Plotly Express
- **Development Tools:** Jupyter Notebook, Visual Studio Code, Pycharm • **Microsoft Office Suite:** Word, Outlook, Excel, PowerPoint, MS Office.

## CERTIFICATIONS

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**Microsoft Certified:** Azure Data Analyst Associate: [Credential ID 9E1856A63EB29549](#)

**Microsoft Certified:** Power BI Data Analyst Associate: [Credential ID: 4C3341B35AAA912](#)

## APPLIED EXPERIENCE

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- **AI Consultant-Project Matching System:** Technologies Used: OpenAI, KNN, SentenceTransformer, Django, JavaScript.
- **Health Bite - Nutrition Ai Chatbot:** Technologies Used: T5, GPT-2, Python, PowerBi, Natural Language Processing (NLP), Machine Learning, Hugging Face
- **Meeting Minder: Speech-to-Summary Browser Extension using Deep Learning:** Technologies Used: Natural Language Processing (NLP), Text Summarization, Email Integration, Python, Data Analysis, Machine Learning, and Audio Processing.
- **Movie Recommendation System- A Comparative Study of Collaborative Filtering and Hybrid Approaches:** Technologies Used: Recommender Systems, Collaborative Filtering, Matrix Factorization.
- **Credit Risk Analysis:** Technologies Used: Logistic Regression, Decision Tree Classifier, Random Forest Classifier, and Support Vector Classifier.
- **Multi-Label Question Tagging:** Technologies Used: TF-IDF, Word2Vec, MultiLabelBinarizer, OneVsRestClassifier, SGD, Random Forest, XGBoost, Python, Machine Learning, Data Analysis, Analytical Techniques.

## PROFESSIONAL EXPERIENCE

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### Custom Software Engineering Associate- Accenture

*Hyderabad, India. January 2022 - March 2023*

- Led a data analytics project focusing on stock exchange data governance for a Bank, identifying and rectifying dataset inaccuracies and ensuring compliance with the Financial Industry Regulatory Authority (Consolidated Audit Trail project).
- Automated data processing workflows, reducing execution time by 30% and cutting costs by 20%.

- Collaborated within a dynamic, high-performing team to achieve project milestones and deliverables.

#### **AI Model Trainer - Outlier**

*Toronto, Canada. December 2023 - Present*

- Employed deep mathematical knowledge to assess and enhance machine learning datasets, working on five unique initiatives and driving a 7% increase in precision of Large Language Models.
- Focused on accuracy and detail, successfully completed over 150 tasks on user preferences and identified key areas for optimization, resulting in a 10% uplift in model efficiency.

#### **Asset Protection - Walmart**

*Toronto, Canada. October 2023 - Present*

- Analyzed OMNI orders (Walmart Online Orders) data using Power BI to identify trends, including tracking associates with highest return percentage, leading to improved operational efficiency and reduced shrink.
- Contributed to a 1.9% reduction in overall shrinkage from 2023 to 2024, amounting to approximately \$2 million in savings. Improvement directly impacted store's profitability and operational effectiveness.

### **EDUCATION**

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#### **Lambton College, Toronto**

*May 2023 - January 2025*

*Artificial Intelligence and Machine Learning*

Relevant Courses: Data Science, Natural Language Processing (NLP), Data Mining, Advanced Python

#### **Amrita University, Bangalore**

*June 2017 - March 2021*

*Bachelor of Technology*

Relevant Courses: Python, Data Structures, Digital Circuits

### **ACHIEVEMENTS AND PUBLICATION**

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1. Winners of the **National Bank of Canada AI Hackathon (2024)**: Represented Jarvis Consulting Group and led the development of an AI-driven consultant-project matching system. The solution utilized OpenAI-powered recommendation engines to match consultants to projects based on compatibility scores, incorporating both technical and soft skills.
  - Improved project-consultant alignment by leveraging historical data and diversity goals.
  - Demonstrated the potential of AI to optimize manual processes, reducing onboarding time and enhancing team inclusivity.
2. Finalist in the **National Inter-University Big Data and AI Challenge 2024**, organized by STEM Fellowship.
  - Published research paper titled Improving Prediction Adherence to Mental Health Treatment Programs Using Machine Learning Algorithms.
  - Theme: "Leveraging Open Data Analytics and Machine Learning to Improve Mental Health Research and Innovation."

### **VOLUNTEER EXPERIENCE**

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#### **Live-in Labs Program - Amrita Vishwa Vidyapeetham**

*Bangalore, India. January 2019 - December 2019*

- Conducted over 300 interviews with villagers in a remote village in India to understand challenges, focusing on health issues related to water quality.
- Educated villagers on home water purification techniques, empowering with knowledge to maintain health.