Jitendh Jayan

**AI Engineer**

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🔗 Google Colab:

Professional Summary

Dynamic and results-oriented **AI Engineer** with over 10 years of experience in designing, developing, and deploying AI-powered solutions across diverse industries. As the founder and leader of a successful startup, I have demonstrated a passion for solving complex challenges, creating scalable products, and driving innovation. My expertise lies in building cutting-edge machine learning models, generative AI solutions, and data-driven strategies that transform business operations and enhance user experiences.

Key highlights include:

* Developing and deploying **NLP and computer vision models** to solve real-world problems, achieving up to **95% accuracy** in automated processes.
* Leveraging **Python, TensorFlow, PyTorch, and cloud platforms (AWS, Azure)** to design scalable AI pipelines and systems.
* Driving **business growth by 40%** through AI-powered predictive analytics and customer engagement solutions.
* Implementing **MLOps frameworks**, ensuring seamless model deployment and updates, reducing time-to-market by **20%**.
* Spearheading innovation as an entrepreneur by identifying market gaps and creating opportunities, resulting in impactful AI products.

I thrive in fast-paced environments, bringing a proactive approach to developing solutions that align with organizational goals. My passion for learning and continuous improvement ensures that I stay ahead of industry trends, leveraging cutting-edge technologies like **LLMs, transformers, and generative AI** to deliver sustainable and scalable AI solutions.

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**Core Competencies**

**AI/ML Expertise:**

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| --- | --- | --- |
| * Computer Vision * Transformers * Cloud AI Deployment | * Generative AI * LLMs * Big Data | * Deep Learning * NLP * OpenAI APIs |

**Technical Skills:**

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| --- | --- | --- |
| * PyTorch * SQL * NoSQL | * Docker * Python * R | * TensorFlow * Keras * Kubernetes |

**Big Data & Data Engineering:**

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| --- | --- | --- |
| * Data Pipelines * ETL | * Spark * Airflow | * Hadoop * ETL |

**Cloud Platforms:**

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| --- | --- | --- |
| * AWS Sagemaker | * Azure AI | * GCP AI Platform |

**Analytical Skills:**

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| --- | --- | --- |
| * Data Analysis * Data Visualization * Feature Engineering * Tableau | * Power BI * SQL * MLOps * Microsoft Power Platform | * Excel * Model Deployment * Hugging Face |

**Product & Client Management:**

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| --- | --- |
| * Customer Success * Product Development | * Market Research * Pricing Strategy |

**Project Management:**

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| --- | --- | --- |
| * Agile Methodologies | * Cross-functional Team Leadership | * Strategic Planning |

**Professional Experience**

# Chief Marketing Officer, *Arvension Technologies LLP, Thiruvananthapuram*

April 2017 - August 2023

* Designed and deployed predictive models using **TensorFlow** and **Azure AI**, improving analytics accuracy by **30%.**
* Led the development of a **generative AI** chatbot, reducing customer query resolution time by **40%** and increasing engagement by **50%**.
* Implemented **MLOps pipelines** to automate model deployment and monitoring, reducing production time by **20%**.

# Managing Director, *Eventofabs India Pvt. Ltd., Thiruvananthapuram*

February 2022 - May 2023

* Architected a transformer-based sentiment analysis model, increasing customer feedback processing efficiency by **35%**.
* Developed an object detection system with YOLO, automating defect detection with **95% accuracy**.

# Business Marketing Executive, *Bigframe Technologies Private Limited, Kochi*

January 2017 - July 2017

* Increased educational course sales by **20%** through targeted strategies.
* Coordinated collaboration efforts to innovate product processes.

**Sales Executive and Technical Support,** *Comput Solution, Thiruvananthapuram*

March 2014 - December 2016

* Increased computer and laptop sales by **20%** through targeted strategies.
* Coordinated collaboration efforts to innovate product processes.
* Technical Support to existing customer which help to boost AMC sales for **25%**.

**Projects**

**1. Generative AI for Content Creation**  
*Skills Applied*: GPT-3, AWS Lambda, Python, Large Language Models

* Built a GPT-3-based text generation model, automating content creation for marketing campaigns, reducing effort by **40%**.
* Deployed the model on **AWS Lambda** for seamless integration into business workflows.

**2. Real-Time Fraud Detection System**  
*Skills Applied*: Python, PyTorch, Power Apps, Transformers

* Developed a machine learning model for detecting fraudulent transactions in real-time using **PyTorch**, reducing financial fraud by **35%**.

**3. End-to-End AI Deployment with MLOps**  
*Skills Applied*: Docker, Kubernetes, CI/CD

* Automated deployment pipelines using Docker, Kubernetes, and CI/CD, ensuring robust and scalable production environments.

**4. Financial Performance Report**  
*Skills Applied*: Power BI, Data Modelling, Excel

* Created a financial performance dashboard to visualize income statements and cash flow, improving financial oversight and decision-making.

Education

**Diploma in Data Science and AI**  
*Keltron Knowledge Centre* — *July 2024 - December 2024*  
Relevant Coursework: Supervised Learning, NLP, Deep Learning, Generative AI, Model Optimization.

**BBA**  
*Rabindranath Tagore University* — *2019 - 2022*  
Relevant Coursework: Market Analysis, Product Management

**Bachelor of Technology in Electronics and Communication Engineering**  
*College of Engineering Attingal* — *2010 - 2014*  
Projects: Centralized Vote Counting System

**Certifications**

* **AI-Powered Performance Ads** (Google) — *May 2024* (Valid until May 2025)
* **Google Analytics Certification** (Google) — *May 2024* (Valid until May 2025)
* **Microsoft Power Platform Training** — Proficiency in Power Apps, Power Automate, and Power BI
* **AWS Certified Machine Learning** – Specialty
* **Advanced NLP** with Hugging Face
* **Generative AI** with TensorFlow

Technical Skills

* **Big Data Tools**:

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| --- | --- | --- |
| * Spark * Data Pipelines * BigQuery | * Hugging Face Transformer * LLM * Fine-Tuning LLMs | * Kafka * Transformers |

* **Emerging AI Technologies**:

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| * OpenAI APIs * AI Model Optimization | * Hadoop * AI Ethics | * Stable Diffusion * Explainable AI |

* **MLOps**:

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| --- | --- | --- |
| * Docker * Model Monitoring | * Kubernetes * AWS Glue | * CI/CD Pipelines * Real-Time AI Applications |

* **Programming Languages**:

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| --- | --- | --- | --- |
| * Python * R | * HTML * Java | * C++ * Scala |  |

* **Platforms**:

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| --- | --- |
| * Azure AI * Google Analytics | * Microsoft Power Platform (Power BI, Power Automate, Power Apps) * Cloud AI Deployment |

* **Machine Learning Libraries**:

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| * TensorFlow | * Keras | * Scikit-Learn |