Jitendh Jayan

AI/ML (Artificial Intelligence / Machine Learning) Engineer

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Professional Summary

Dynamic and results-driven AI/ML Engineer with over 10 years of experience in developing innovative and scalable machine learning solutions. As the founder of a successful startup, I have demonstrated a strong entrepreneurial mindset, creating opportunities from challenges and transforming them into scalable, high-impact AI/ML products. Skilled in Python, TensorFlow, PyTorch, and cloud-based AI deployment (AWS, Azure), I have a proven ability to lead cross-functional teams and drive end-to-end AI implementations that deliver measurable business value.

I thrive in fast-paced, problem-solving environments were challenges fuel innovation. My expertise spans designing predictive models, generative AI solutions, and NLP systems that enhance user experiences and optimize workflows. With a passion for leveraging technology to solve complex problems, I specialize in building AI-powered tools that are robust, efficient, and aligned with industry needs.

Key achievements include:

* Developing generative AI models that reduced manual effort by 40% while improving operational efficiency.
* Scaling AI pipelines using MLOps practices, ensuring seamless deployment and updates.
* Leading AI-driven customer engagement strategies, increasing user satisfaction by 50%.

With a commitment to continuous learning and a track record of creating transformative solutions, I am eager to contribute to organizations focused on driving innovation and building the future with AI/ML technologies.

**Core Competencies**

**Technical Skills:**

|  |  |  |
| --- | --- | --- |
| * Supervised & Unsupervised Learning * Generative AI * Transfer Learning * Sentiment Analysis * Text Classification * Chatbots * NLP | * Convolutional Neural Networks (CNNs) * Recurrent Neural Networks (RNNs) * Transformers * LLMs * Python * R | * TensorFlow * PyTorch * Hugging Face * Scikit-Learn * Java * SQL * NoSQL * Keras |

**Cloud Platforms & Tools:**

|  |  |  |
| --- | --- | --- |
| * AWS Sagemaker * Azure AI * GCP AI Platform | * Docker * Kubernetes * CI/CD Pipelines | * Apache Spark * Airflow * Hadoop |

**Analytical Skills:**

|  |  |  |
| --- | --- | --- |
| * Data Cleaning * Data Preprocessing | * Power BI * Tableau, | * Feature Engineering * Matplotlib |

**Product & Client Management:**

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

**Project Management:**

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

**Professional Experience**

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

April 2017 - December 2024

* Developed and deployed machine learning models, including NLP-based recommendation systems, improving predictive analytics accuracy by **30%**.
* Built scalable AI pipelines and optimized workflows using **TensorFlow** and **Azure AI**, reducing data processing time by **20%**.
* Designed a generative AI-powered chatbot to enhance customer engagement, achieving a **50% increase in query resolution speed**.
* Led the adoption of **MLOps practices**, implementing CI/CD pipelines for seamless model updates.

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

February 2022 - May 2023

* Created a sentiment analysis model using **Hugging Face transformers**, improving customer feedback analysis accuracy by **35%**.
* Architected a computer vision model for inventory management, 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*: NLP, Machine Learning, Python

* Built a text generation model using **GPT-3 API** to automate content creation, reducing manual effort by **40%**.
* Integrated the solution into a **SaaS platform**, enhancing user personalization.

**2. Real-Time Object Detection**  
*Skills Applied*: Power BI, Market Research, Power Apps

* Designed and deployed a YOLO-based object detection model in a manufacturing environment, achieving **95% accuracy** and reducing inspection time by **30%**.

**3. MLOps Pipeline for Predictive Analytics**  
*Skills Applied*: Docker, Kubernetes, AWS Sagemaker

* Automated the deployment of predictive models using **Docker** and **Kubernetes**, ensuring continuous integration and deployment in cloud environments (AWS Sagemaker).

**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, Neural Networks, Model Optimization, Deep Learning, NLP, Generative AI, Cloud AI Platforms

**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 Techniques**, Hugging Face Academy

Technical Skills

* **Programming Languages**:

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

* **Platforms**:

|  |  |
| --- | --- |
| * Azure AI * Google Analytics * Cloud Deployment * CI/CD Pipelines | * Microsoft Power Platform (Power BI, Power Automate, Power Apps) * Deep Learning * Data Pipelines * Transformers |

* **Machine Learning Libraries**:

|  |  |  |
| --- | --- | --- |
| * TensorFlow * Supervised & Unsupervised Learning | * Keras * GitHub | * Scikit-Learn * Kaggle |