

BASSEY RIMAN

AI & MACHINE LEARNING ENGINEER

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Experienced technical founder and AI/Machine Learning Engineer specializing in large language models, deep learning systems, and intelligent applications. Proven expertise in developing end-to-end AI solutions across diverse domains including healthcare, predictive analytics, and generative AI. Skilled in model architecture design, generative AI orchestration, data pipelines, and full-stack MLOps deployment. Recognized for driving product vision, engineering scalable platforms, and shipping robust production-grade systems.

TECHNICAL SKILLS

GENERATIVE AI & LLM OPS

LLMs (GPT-4, Claude) RAG Systems AI Agents LangChain LlamaIndex
Prompt Engineering

DEEP LEARNING & VISION

Vision Transformers (ViT) PyTorch TensorFlow CNNs Neural Architecture
Model Optimization

MLOPS & INFRASTRUCTURE

Docker Kubernetes Vector DBs AWS / GCP MLflow CI/CD for ML

DATA SCIENCE & ANALYTICS

Predictive Modeling Gradient Boosting Statistical Analysis Data Pipelines
SQL/NoSQL Feature Engineering

EXPERIENCE

Technical Operations Specialist | Deloitte, London, UK

Sept 2025 – Present

- Deliver excellent client service and issue resolution across Deloitte smart facilities.
- Manage staff access using Cardex and contractor permits via Gallagher.
- Maintain knowledge of Deloitte Smart Wayfinding to support workspace navigation.

Machine Learning Engineer (Intern) | Middlesbrough Football Club, UK

Jan 2024 – May 2024

- Developed machine learning models to classify players and predict performance outcomes based on physical profiling data.
- Leveraged gradient boosting techniques for accurate predictions, using regularization to prevent overfitting and identify key performance indicators.

Founder & Technical Lead | The Legitimate Store (E-commerce), Remote

Feb 2018 – Aug 2025

- Founded and engineered the platform, defining product vision and leading the end-to-end development lifecycle.
- Developed and deployed "Lana", an AI/ML system optimizing sales and delivering deep customer insights.
- Built robust predictive models for demand forecasting, customer behavior mapping, and recommendation engines.
- Engineered scalable frontend architecture and deterministic state management for a modern Progressive Web App (PWA).

Software Engineer | 3chub Brand Management Ltd, Lagos, Nigeria

Jan 2017 – Dec 2022

- Designed scalable web and robust backend systems for high-traffic e-commerce operations.
- Built REST APIs and databases, integrating JavaScript/React for responsive and modern UI experiences.
- Developed advanced analytics tools for tracking inventory, sales trends, and actionable customer insights.

KEY PROJECTS

AlzDetect – AI-Powered Alzheimer's Detection System

Sept 2024 – Dec 2024

Python, TensorFlow, Keras, OpenCV, Vision Transformers (ViT)

- Built an advanced deep learning model (ViT/CNN architecture) for early Alzheimer's detection from MRI imaging.
- Achieved state-of-the-art 98% accuracy; designed architecture to support NHS clinical assessments and early intervention.

PhotoCap – Generative AI Vision App

May 2024 – Aug 2024

React, Next.js, GPT-4 Vision API, Tailwind CSS

- Developed a full-stack web application leveraging GPT Vision to automatically generate context-aware captions from user photos.
- Engineered smart, mood-aware prompting logic allowing one-click social media sharing via automated analysis.

PursePro – PWA Financial Dashboard

Nov 2025 – Dec 2025

React, TailwindCSS, Zustand, Recharts

- Developed a premium, modern progressive web application (PWA) interactive financial dashboard featuring budgeting logic, charting components, and interactive category tracking for personal finance.

EDUCATION

M.S. in Artificial Intelligence with Advanced Practice (Distinction)

Jan 2023 – Jan 2025

Teeside University, Middlesbrough, UK

B.S. in Computer Science

Jan 2010 – Dec 2014

University of Cross River State, Nigeria