

# 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

#### MLOPS & INFRASTRUCTURE

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

#### DEEP LEARNING & VISION

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

#### 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

Teesside University, Middlesbrough, UK

**B.S. in Computer Science** Jan 2010 – Dec 2014

University of Cross River State, Nigeria