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Fullstack Developer | Machine Learning Engineer

Machine Learning Engineer and Data Scientist with hands-on experience applying Python, TensorFlow, Docker, Airflow, and AWS to build scalable, data-driven solutions. I've implemented MLOps workflows for reproducible experimentation and cloud-native deployment. My freelance work includes delivering full-stack platforms via Upwork for TechSphere Inc., using JavaScript, TypeScript, React, Bootstrap, and Node.js. Trained by AnyoneAI and FullstackOpen, I'm now seeking remote opportunities to integrate ML engineering with full-stack development to create intelligent, impactful applications.

Work Experience

Machine Learning Engineer at Anyone AI (Part Time)   *July 2025 to present*

- Processed and cleansed datasets using Python, pandas, and SQL to build data pipelines that supported efficient modeling and ETL operations.
- Trained and validated classical machine learning models—including regression and clustering techniques—enhancing prediction accuracy and model robustness.
- Designed and implemented deep learning architectures such as CNNs, RNNs, and Transformer-based models (e.g., BERT, GPT) to enable advanced tasks in computer vision and natural language processing (NLP).
  Deployed production-ready ML systems by applying best practices in model evaluation and model selection, ensuring maintainable, scalable AI solutions.
- Implemented CI/CD pipelines using Jenkins and Git for automated testing and deployment.
- Monitored model performance and data drift using custom logging and evaluation scripts. *Main Technologies:* Python, pandas, scikit-learn,tensorflow

Fullstack Developer at upwork (Freelance)   *Jun 2024 - Nov 2024*

- Developed a custom e-commerce platform for TechSphere Inc. using JavaScript, TypeScript, React, Bootstrap, and Node.js, delivering a scalable solution that improved client satisfaction and enabled smoother transaction flows.
- Applied infrastructure-as-code principles using Docker and GitHub Actions for reproducible deployments.
- Optimized front-end performance and cross-browser compatibility by refactoring React components and integrating Bootstrap styling, resulting in faster load times and a seamless user experience across devices.

- Delivered clean, maintainable code through systematic debugging and feature enhancements, strengthening the overall application architecture and prolonging project sustainability. *Main Technologies:* JavaScript, TypeScript, React, Bootstrap, and Node.js

Projects

- **Full-Stack Project — Blog Master**
  Built a Tumblr-style social media platform called **Blog Master** using **React**, **TypeScript**, and **Tailwind**, with real-time support from **MongoDB** and **Firebase**. June 2025

- **Machine Learning Project — AI Sprint Demo**
  AI Sprint Demo: Built and deployed an end-to-end ML pipeline using Python and TensorFlow.
  Integrated a Transformer-based LLM (GPT) into a REST API, containerized with Docker, and deployed to AWS EC2.
  Included monitoring scripts and CI/CD setup for automated updates. August 2025

- **Machine Learning Project — NYC Trip & Fare prediction Project**
  Built ML models for taxi fare and trip duration using pandas, numpy, scikit-learn, LightGBM, XGBoost, TensorFlow; deployed with FastAPI, Docker, and Streamlit for interactive predictions. November 2025

- **Best Buy Product Classification – Multimodal ML Project**
  Built a product classification system using text + image embeddings. Generated image features with TensorFlow (ResNet50, ConvNextV2) and text embeddings with Hugging Face (MiniLM, BERT). Preprocessed data, engineered features, and trained models (scikit-learn, MLPs) to predict product categories. December 2025

Skills

Tech Skills: hands-on experience with AWS, Python, JavaScript, TypeScript, React, Bootstrap, Node.js, Tailwind, MongoDB, MLOps, Docker, AirFlow and Firebase.
Agile Methodologies: worked within Scrum and Kanban environments—two widely adopted agile frameworks focusing on iterative delivery and workflow visualization
Other Tools: includes Jira for sprint and task management, and CI/CD tools such as Jenkins for automated build, test, and deployment pipelines
Languages: C1 level proficiency in English

Education

Completed rigorous training in software engineering and machine learning through AnyoneAI and FullstackOpen, covering algorithms, data structures, cloud infrastructure, and production-grade ML pipelines.

Courses & Certifications

FreeCode Camp   2024

Fullstack Open   2025

IBM Fulltack course   2025

AnyoneAI Machine Learning   Current Date