Lucy Hunter

AI/ML Engineer | Full-Stack Developer

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SUMMARY

Innovative **AI/ML Engineer with 8+ years** of experience delivering end-to-end AI solutions. Expert in **Deep Learning**, **NLP**, and **computer vision**, with strong full-stack and mobile development skills. Proficient in **Python/FastAPI/Flask, JavaScript/TypeScript, Node.js, React, Next.js, Nest.js, React Native**, and modern frameworks like **TensorFlow, PyTorch, Hugging Face Transformers, OpenCV**. Experienced in **cloud platforms** including **AWS, Azure, Google Cloud**, containerization and orchestration (**Docker, Kubernetes**), and working with **databases** such as **PostgreSQL, MongoDB, Redis**. Skilled at designing and deploying **AI-driven, production-ready, scalable applications** across web and mobile platforms. Driven to apply AI to solve complex business challenges and create measurable impact.

EXPERIENCE

Software Engineer
Sparc Edu Tech

📅 11/2024 - 08/2025   📍 California, United States

- **Created an AI virtual teacher** using NLP and Computer Vision, enhancing interactive learning and increasing student engagement by 18%.
- **Optimized AI algorithms for content analysis and automatic grading**, improving learning accuracy by 12% and reducing manual grading workload.
- **Integrated AI systems into the educational platform**, enabling real-time performance tracking, adaptive learning paths, and data-driven insights for teachers, improving overall platform usage by 20%.

Software Engineer
StreamRio Pvt. Inc

📅 03/2022 - 10/2024   📍 Toronto, Ontario

- **Developed real-time vehicle detection and tracking algorithms** using advanced CV techniques, improving traffic incident detection accuracy by 20%.
- **Built an AI-driven Restaurant Reservation System** leveraging Retell AI for natural language understanding, increasing booking automation by 40%.
- **Delivered business analysis and predictive analytics solutions** using machine learning models, improving operational efficiency by 15% and providing actionable insights.

Full Stack Developer
Infinit-O Global

📅 07/2018 - 02/2022   📍 Makati, Philippines

- **Built and maintained full-stack web applications** using React, Angular, Node.js, and Django, ensuring responsive, scalable solutions and increasing user engagement by 15%.
- **Created cross-platform mobile applications** with React Native, providing seamless experiences on iOS and Android and boosting mobile adoption by 12%.
- **Engineered AI-powered chatbots and virtual assistants** for customer support, reducing response time by 30% and automating repetitive queries.
- **Automated business workflows with custom scripts and tools**, cutting manual tasks by 25% and improving team efficiency.
- **Deployed web and mobile applications to cloud platforms** (AWS, Azure) with CI/CD pipelines, ensuring 99% uptime and reliable production releases.

Internship
ClinkIT Solutions

📅 10/2017 - 05/2018   📍 Makati, Philippines

- Participated in **coding sprints and team meetings**, gaining hands-on experience with Agile development processes.
- Assisted in **preprocessing datasets** and running basic machine learning scripts for small AI-related projects.
- Documented code, processes, and user manuals to support **knowledge sharing and team collaboration**.
- Learned and applied **version control with Git**, ensuring organized, trackable development workflows.
- Contributed to mobile application development tasks using frameworks like React Native or Flutter.

EDUCATION

Bachelor of Computer Science

Mapúa University

📅 09/2013 - 09/2017   📍 Manila, 1002 Metro Manila, Philippines

- Graduated with honors in **Computer Science**, achieving a cumulative GPA of 3.8/4.0.
- **Served as team lead** for a university software development project, coordinating 5 members and delivering on schedule.
- Organized workshops and seminars on **AI and web development**, educating over 180 students.
- Completed **research collaborations** with university lab, gaining hands-on experience in AI, ML, or full-stack development.

SKILLS

Machine Learning Algorithms

| Supervised Learning Algorithm | Unsupervised Learning Algorithm | Reinforcement Learning Algorithm |

Optimization Techniques

Natural Language Processing (NLP)

Tokenization | Sentiment Analysis | Word/Sentence Embeddings | Text Classification | Text Generation

Conversational AI | Speech-to-Text | Retrieval-Augmented Generation

Computer Vision

Image Classification/Segmentation | Object Detection/Recognition | GAN-based image synthesis

AI Frameworks and Libraries

TensorFlow | Keras | PyTorch | Scikit-learn | Hugging Face | LlamaIndex | SpaCy | OpenCV | Yolov8

MLOps & Model Deployment

Docker | FastAPI | Flask | TensorFlow Serving | AWS SageMaker | Azure ML | GCP Vertex AI | MLflow

AI Model Integration | Web & Mobile App Development

Large Language Models | GPT models | LLaMA | Claude | Gemini 1.5 | BERT | T5 | Mistral 7B | Mixtral

Image Generation Models | Stable Diffusion (SD) | DALL·E 3 | Imagen | MidJourney | Flux | StyleGAN3

Text-to-Speech Models | gTTS | TTS-1/TTS-1-HD | XTTS-v2 | Ultravox | PlayHT | F5-TTS | OpenVoice

Speech-to-Text Models | Whisper | Google Cloud STT | Wav2Vec 2.0 | DeepSpeech | Microsoft Azure STT

Web Application Development | React | Next.js | Node.js | Python/Flask/FastAPI | Django | Laravel

Mobile Application Development | React Native | Flutter | Kotlin | Swift | Google Play Store | App Store

Vector Databases for AI & LLMs | FAISS | pgvector | Pinecone | Weaviate