

# 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