

Devashish Sharma

AI/ML Engineer | Cloud & Scalable Systems

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SUMMARY

AI/ML Engineer with hands-on experience building and deploying production-grade machine learning and NLP systems. Strong foundation in model evaluation, feature engineering, and cloud-native ML deployment across AWS and GCP.

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science

August 2022 – May 2026

Ajeenka DY Patil University – Pune, India

EXPERIENCE

Quick Heal Technologies Ltd.

July 2025 – December 2025

Data Science Intern

Pune, Maharashtra

- Worked on end-to-end ML projects, from collecting and cleaning data to building and deploying models on AWS (Lambda, EC2).
- Handled terabytes of cybersecurity data, analyzed, performed EDA and delivered 4+ production-level models with 94%+ accuracy.
- Improved alert systems, reduced false positives by 40%, and automated 80% of manual work, boosting speed and reliability.
- Streamlined data pipelines and restructured architectures for cost-efficient scalability without additional infrastructure costs.

CariKture Pvt. Ltd.

June 2024 – January 2025

Web Developer Intern

Pune, Maharashtra

- Built scalable full-stack web features by developing responsive user interfaces, RESTful APIs, and efficient database integrations.
- Implemented backend services using Express.js with clean architecture principles, input validation, and consistent data handling.
- Contributed to 5+ production-grade applications using React.js & Express.js, reducing page load time by 25% through optimization.
- Optimized user experience by creating reusable and performance-improved React components, increasing engagement by 30%.

TECHNICAL SKILLS

Programming & Data Engineering: Python, R, NumPy, Pandas, MySQL, PostgreSQL, MongoDB, Data Cleaning & Preprocessing

Machine Learning: Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation, EDA, Scikit Learn

Deep Learning, NLP & Computer Vision: Neural Networks, Transformers, TensorFlow, PyTorch, spaCy, NLTK, OpenCV

Generative AI & LLM Systems: Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), LangChain, LangGraph, Prompt Engineering

MLOps, Cloud & Deployment: FastAPI, Docker, AWS (EC2, Lambda), CI/CD, MLflow, Git, GitHub, Elasticsearch

PROJECTS

Life Sync | Personal Productivity & Life Balance Manager | [GitHub](#)

October 2025 – December 2025

Tech Stack: Python, FastAPI, LightGBM, Gaussian Mixture Models, spaCy, LLMs (Groq), RAG, React.js, MongoDB

- Designed the system architecture for a scalable AI platform integrating front-end, backend services, ML models, & LLM workflows.
- Built an end-to-end ML pipeline for user modeling, including data processing, feature engineering, training, evaluation, & inference.
- Developed supervised and unsupervised models for user scoring and segmentation to drive personalized application behavior.
- Architected a RAG-based LLM pipeline combining ML insights with retrieval and ranking to generate context-aware responses.
- Exposed AI capabilities via FastAPI services and integrated them with the web front-end for real-time, reliable user interactions.

Credit Score Prediction System | Credit Scoring Model | [GitHub](#)

September 2025

Tech Stack: Python, LightGBM (Classification), FastAPI, Docker

- Engineered an end-to-end ML pipeline for credit risk prediction covering preprocessing, feature engineering, training, and validation.
- Trained & evaluated classification model achieving 92% accuracy with strong precision-recall balance across low & high-risk classes.
- Optimized performance using feature selection, hyperparameter tuning, and class-wise metric analysis for risk-sensitive predictions.
- Deployed the model as a Dockerized FastAPI microservice enabling real-time inference with 77.59% automated decision coverage.

Apply Xpert | Resume Analyzer ATS Tool | [GitHub](#)

April 2025

Tech Stack: Python, spaCy, scikit-learn, TF-IDF, FastAPI, Express.js, React.js, MongoDB

- Created an end-to-end NLP-based AI-powered ATS resume analyzer with interactive UI to compare resumes against job description.
- Architected a scoring system using NLP pipelines to vectorize, compare, and rank resumes with personalized AI-driven feedback.
- Enhanced CV-job alignment through model-based similarity analysis and structured insights, enabling more targeted job applications.

CERTIFICATIONS

Python Programming Professional Certification – OpenEDG Python Institute

Data Engineering Foundations Professional Certificate – Astronomer

Machine Learning Specialist Certification – LinkedIn Learning