

HANSHIKA

AI/ML Engineer & Data Analyst

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PROFESSIONAL SUMMARY

Results-driven AI/ML Engineer with **1.5+ years** experience building intelligent systems, scalable data pipelines, and automation solutions. MCA (AI/ML) candidate at Amity University with **91% GPA**. Expertise in machine learning, deep learning, cloud platforms (AWS), and BI tools. Proven impact: **95% model accuracy, 40% cost optimization, 1M+ daily API requests**.

WORK EXPERIENCE

AI/ML Engineer & Data Analyst

WishNew Wellness | New Delhi | Jun 2023 – Present

Machine Learning & AI Development

- Developed ML models (TensorFlow, PyTorch) achieving **95% accuracy** in predictive analytics and customer behavior forecasting
- Led migration to AWS SageMaker, achieving **40% cost reduction** and scalability for **1M+ daily predictions**
- Implemented computer vision algorithms improving detection accuracy by 25%; built recommendation systems increasing engagement by 35%

Backend Development & APIs

- Built REST APIs (Flask, FastAPI) serving **1M+ requests/day** with 99.9% uptime; optimized response time by 35% using Redis caching
- Designed database schemas (PostgreSQL, MongoDB) and optimized queries for high-performance applications

Data Engineering & Analytics

- Architected ETL pipelines (Spark, Airflow) processing **500M+ daily records** with 20% cost optimization and **99.5% data accuracy**
- Developed executive dashboards (Tableau, Power BI) and automated MIS reporting, reducing manual effort by **60%**

AI Automation & Operations

- Designed AI workflows using LLMs (GPT-4, Claude) for document processing and invoice generation, reducing manual effort by **70%**
- Built NLP chatbots improving customer response time by 70%; managed digital marketing analytics driving data-informed strategies

SKILLS

Languages: Python, SQL, JavaScript

AI/ML: TensorFlow, PyTorch, Scikit-learn, OpenCV, BERT, Transformers, NLP, Computer Vision, Neural Networks

AI Tools: LLMs (GPT-4, Claude), LangChain, Prompt Engineering

Data/Cloud: AWS (SageMaker, S3, Lambda), Spark, Airflow, Docker, ETL/ELT, Data Engineering

Databases: PostgreSQL, MongoDB, Redis

Tools: Flask, FastAPI, Tableau, Power BI, Git, Hypothesis Testing, Regression Analysis

KEY PROJECTS

Customer Behavior Prediction System | Python, TensorFlow, AWS SageMaker

- Ensemble ML model (LSTM + Random Forest) with 92% accuracy; real-time inference for 50K+ daily predictions on AWS

Real-time Data Pipeline | FastAPI, Spark, Airflow, Docker

- Automated ETL handling 5M+ records daily with 99% accuracy; containerized with Docker and Airflow orchestration

NLP Sentiment Analysis Platform | BERT, Transformers, Python

- Multi-language sentiment analysis processing 100K+ social posts daily with real-time monitoring dashboard

Computer Vision QC System | PyTorch, OpenCV, CNN

- Defect detection with 96% accuracy; edge computing solution reducing inspection time by 60%

AI Document Automation | Python, GPT-4 API, LangChain, Flask

- Intelligent document processing and invoice generation using LLMs, reducing manual work by 70%

EDUCATION

MCA in AI & Machine Learning

Amity University, Noida | 2023 – May 2026 | **GPA: 91%**

Coursework: Deep Learning, Neural Networks, NLP, Computer Vision, MLOps, Statistics, Data Engineering

Master's Diploma in Business Data Analytics

YMCA Education Center, New Delhi | 2023-2024

BA Economics & Political Science

College of Vocational Studies, New Delhi | 2020-2023

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native) | **GitHub:** github.com/hanshika | **Availability:** Immediate, Open to relocation