

# PARVEEN KASHYAP

☎ +91 73476 35156 ✉ [inparv@gmail.com](mailto:inparv@gmail.com) 🌐 [parveenkashyap.github.io](https://parveenkashyap.github.io) 🔗 [linkedin.com/in/ksparveen](https://linkedin.com/in/ksparveen)  
📄 [github.com/parveenkashyap](https://github.com/parveenkashyap)

## Education

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### Chandigarh University

Master of Computer Applications in Artificial Intelligence & Machine Learning | CGPA: 7.76

Jul 2023 - Jun 2025

Punjab, India

### Kurukshetra University

Bachelor of Computer Applications | Percentage: 72.69

May 2020 - Jun 2023

Haryana, India

## Work Experience

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### ResoluteAI Software Private Limited

Aug 2025 - Dec 2025

AI Engineer Intern

Remote

- Engineered an **AI governance system** detecting **5 discrimination types** across **100+ loan applications** via a **FastAPI/SQLite** backend and **Gemini Flash** to enable real-time **compliance auditing**
- Developed a **RAG medical chatbot** achieving **95%+ accuracy** by implementing **Pinecone** and **Sentence Transformers** for **context-aware retrieval**, transitioning early-stage prototypes into **production-ready** systems
- Built an **optimized CV pipeline** with **90%+ accuracy** using **YOLOv8** and **EasyOCR**, applying **ROI-based filtering** and **inference tuning** to automate data extraction from complex **invoice tables**

### Applied Machine Learning Programs (Unified Mentor & MedTourEasy)

June 2025 - Dec 2025

Machine Learning Trainee

Remote

- Completed intensive, **mentor-led** programs involving **9 end-to-end ML projects** across two organizations, focusing on **model deployment** and **production-ready** code architectures
- Developed an **ASL recognition system** achieving **98% test accuracy** by implementing **Transfer Learning (MobileNetV2)** and custom **CNNs in TensorFlow**, deploying the model as a real-time **Streamlit** web application
- Optimized **multi-class classification** for forest cover types to **90.24% accuracy** by benchmarking 7 algorithms using **Scikit-Learn pipelines**, **GridSearchCV**, and **Extra Trees** ensemble methods for model selection
- Engineered **automated ML pipelines** for fraud and medical datasets by implementing **temporal feature engineering** and **Random Forest** models, enabling batch processing and inference via **Streamlit** interfaces

## Projects

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NetGuard | [Source Code](#)

TensorFlow/Keras | Scikit-learn | LSTM | ANN | Pandas | RFE | Joblib

- Engineered a **hybrid ANN-LSTM ensemble** achieving **98.41% threat detection accuracy** while utilizing **RFE** to reduce the feature space by **87%**, optimizing real-time processing for high-throughput network traffic
- Classified **15 attack types** with **99.7% accuracy** on **2.5M+ samples**, integrating a self-healing **remediation engine** that decreased response time (MTTR) from 5 minutes to **under 100ms** via automated IP blocking

DocsMind | [live](#) | [Source Code](#)

LangChain | Streamlit | FAISS | HuggingFace | Google Gemini | RAG | LCEL

- Engineered a **production RAG pipeline** using **LangChain LCEL** and **FAISS**, achieving **sub-second latency** via **token streaming** and managing **10+ Gemini models** with a **resilient fallback** to process 50-page docs in **5s**

TalentVector | [live](#) | [Source Code](#)

Scikit-Learn | NLP | SQLite | Streamlit | PyPDF | Pandas | Cryptography

- Developed a **full-stack AI screening platform** using **TF-IDF** and **Cosine Similarity** to rank resumes with **99% algorithmic accuracy**; engineered a **secure SQLite backend** with **SHA256 password hashing** and **UUID salts** to manage user authentication and ranking history.

## Professional Certifications

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Machine Learning Scientist (DataCamp, 2025), Advanced Data Analytics (Google, 2024), Database Engineer (Meta, 2024), Data Analytics (Google, 2024)

## Technical Skills

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**Languages:** Python (Expert), C/C++, SQL, R, JavaScript

**AI/ML Frameworks:** TensorFlow, PyTorch, Scikit-Learn, LangChain, HuggingFace

**Specialized AI:** RAG, LLMs, Computer Vision (YOLOv8, OpenCV), Vector DBs (FAISS, Pinecone)

**Data Engineering:** Pandas, NumPy, BigQuery, ETL Pipelines, Statistical Modeling

**Backend & DevOps:** FastAPI, Django, Flask, AWS (EC2, S3, Lambda), Docker, Git, MySQL