

PARSHANT

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SUMMARY

Final-year B.Tech CSE (AI ML) student with strong expertise in machine learning, deep learning, and data structures (200+ problems solved). Passionate about building AI-driven systems, with hands-on experience in developing and deploying real-world ML and GenAI applications used by actual users.

TECHNICAL SKILLS

Programming Languages: Python, C++

AI/ML: Machine Learning, Deep Learning, NLP, LLMs, RAG Pipelines, Transformers

Frameworks Tools: NumPy, Pandas, Scikit-learn, PyTorch, HuggingFace Transformers, FastAPI

Databases CS Fundamentals: MySQL, MongoDB, OOPs, OS, DBMS, Computer Networks

Experience

Software QA Engineer Intern, Nxcar (On-site) Aug 2025 – current

- Collaborated with AI engineers to develop ML-based price prediction models for used car variants and implemented number plate anonymization using computer vision
- Built and automated test cases in Python (PyTest), boosting bug detection efficiency by 30–40%.
- Designed test frameworks and integrated CI/CD pipelines, independently resolving API and performance issues.

Artificial Intelligence Intern, IBM (Remote) July 2025 – Aug 2025

- Worked on AI-based solutions using Python and IBM Cloud tools to solve real-world business problems.
- Gained hands-on experience in machine learning, NLP, and model deployment using IBM Watson APIs.

Projects

DocuMind — AI Document Chatbot Documind.parshantyadav.com

- Built a full-stack RAG pipeline using HuggingFace BGE embeddings and cosine similarity (0.7+ relevance) to enable accurate PDF-based Q&A with LLaMA 3.3 70B via Groq.
- Engineered a multi-tenant system with Personal/Company modes, role-based access control, OTP/Google OAuth.
- Reduced deployment size by 90% by replacing torch/sentence-transformers with the HuggingFace Inference API.
- Deployed a production-ready FastAPI backend on Render with Supabase (PostgreSQL + storage), enabling session persistence, guest-to-user migration, and real-time Q&A with sub-second latency.

Personal Portfolio + Learning Hub Parshantyadav.com

- Built a modern portfolio with free courses, certifications, roadmaps, and interactive user features.
- Developed an AI chatbot that delivers human-like responses and answers queries about my website and projects
- Integrated Firebase Authentication for secure email/password and Google-based login.
- Used by 2000+ users, improving reach and engagement by 80%.

HireWise — AI Resume Matcher hirewise.parshantyadav.com

- Developed AI-powered resume–job matcher using Python (NLTK, scikit-learn) for compatibility scoring.
- Built a full-stack application enabling resume uploads, parsing, and instant match results.
- PDF parsing, keyword extraction, and similarity algorithms, streamlining recruitment workflow by 50%.

Education

MDU University, B.Tech in Computer Science and Engineering (AI & ML) 2022 – 2026

RPS School, Senior Secondary (Class XII – CBSE) 2020 – 2021

Suraj School, Secondary Education (Class X – CBSE) 2019 – 2020

ACHIEVEMENTS

- Selected for Smart India Hackathon from college — among the top 5 teams chosen out of 100+ applicants.
- Successfully completed the Artificial Intelligence course authorized by Microsoft and offered through Coursera.