

Pawan Sharma

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SUMMARY

AI Engineer and Backend Developer with a strong Computer Science foundation (9.1 CPI). Experienced in building production-ready, LLM-driven applications, including document understanding and text generation APIs using RAG, Python, FastAPI, LangChain, and models from Google Gemini and Hugging Face.

SKILLS

Languages & Frameworks: Python (FastAPI, PyTorch), SQL
AI / ML Tools: LangChain, Hugging Face, FAISS, LLM, Gemini API, Sentence Transformer
Databases & Storage: PostgreSQL, MySQL, MongoDB
DevOps & Tools: Docker, Git, GitHub Actions, Render

PROJECTS

- WordForge – LLM-Powered Blog Generator** Jul 2025 - Sep 2025
GitHub: wordforge — Tech Stack: FastAPI, PostgreSQL, Streamlit, Google LLM, Docker
- **Blog Generation** : Built a responsive Streamlit frontend and FastAPI backend with 3+ RESTful endpoints, delivering LLM-generated blog posts in under 20-40 seconds.
 - **Database Integration**: Implemented PostgreSQL to efficiently manage and retrieve user-generated content and interaction history.
- DocuMind – Document QA Bot** Oct 2024 – Dec 2024
GitHub: documind — Tech Stack: LangChain, FAISS, Streamlit, Google LLM
- **Document Chatbot**: Built a Multi-file document chatbot that processed over **45+ PDF and DOCX pages** and handled queries with an average **response latency under 5-10 sec**.
 - **Model Integration**: Applied **analytical thinking** to integrate Google's LLM via LangChain, resulting in **85% relevant responses** in user testing across **50+ diverse queries**.
- ResumindAI – Resume Analyzer** April 2024 – June 2024
GitHub: resumindai — Tech Stack: Streamlit, Google LLM, PyPDF2, python-docx
- **LLM Resume Analysis**: Built an app providing instant feedback across 4 key areas (Resume Summary, ATS Report, Keyword Analysis, Job Description Match) to score job-fit.
 - **Document Parsing**: Showcased strong **problem-solving** skills by engineering a robust parsing module with an 85% success rate for extracting text from varied PDF and DOCX resume layouts.

EXPERIENCE

- Machine Learning Intern** 01 May 2024 – 31 May 2024
CodSoft Remote
- **Technologies Used**: Python, Scikit-learn, Pandas, NumPy, Matplotlib, NLTK
 - **Movie Genre Prediction**: Built a text classification model using Multinomial Naive Bayes (Accuracy: 71.25%) on IMDB metadata.
 - **Credit Card Fraud Detection**: Implemented a highly accurate Random Forest model (Accuracy: 79.55%) for identifying fraudulent transactions.
 - **SMS Spam Classification**: Designed an SMS spam detection system using TF-IDF + Multinomial Naive Bayes (Accuracy: 89.09%).
 - **Adaptability & Collaboration**: Exhibited **quick learning** and **adaptability** by successfully delivering three distinct ML projects within one month, using effective **remote collaboration** to meet all deadlines.

EDUCATION

Bhilai Institute of Technology, Durg 2021 – 2025
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence) CPI: 9.1 / 10.0

CERTIFICATIONS

Generative AI: PrepInsta Prime (Jun 2025) .
Power BI & Business Intelligence: PrepInsta Prime (Mar 2025) .
Introduction to Machine Learning: Infosys Springboard (Jul 2023) .