

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

Remote

CodSoft

- **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) .