

Prajwal Dwivedi

Application Developer RPA

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PROFESSIONAL EXPERIENCE

IBM India Pvt. Ltd.

Mumbai, IND

Application Developer AI RPA

Dec 2023 -Present

- Prototyped and implemented **Ai powered research agent** to automate the **analysis of generic drugs** for R&D team. The system automatically generated reports from open sources like US FDA and EMA, **condensing them with LLMs, and creating interactive pages**. This initiative reduced the analysis research time by about **60%** resulting in about **50%** more reports being generated.
- Engineered **PDF parsing and normalization logic** (pdfplumber + Tesseract fallback), chunking strategies, and retrieval workflows using LangChain-style orchestration, **reducing manual document review time** for analysts **by ~60%**.
- Engineered and deployed **14 new robotic and AI automations** for Supply Chain, Finance, HR and IT using Python(Langchain and N8N) and UiPath. These solutions **saved over 5000 business hours** and reduced the annual cost by over **45 lakhs**.
- Conducted **feasibility studies, ROI analysis, and Agile delivery**, ensuring cost-effective and scalable automation aligned with client business goals.

Petlet.in

Delhi, IND

Machine Learning Engineer

Jan 2023 -Sept 2023

- Designed and deployed an **end-to-end ML pipeline** for a pet healthcare platform, enabling disease prediction with an average **accuracy of 80%**.
- Developed and productionized **7 ML APIs** using **FastAPI and TensorFlow**, for real-time inference and product integration.
- Collected and curated training data through **user surveys, and web scraping**, ensuring diverse and reliable datasets.
- Deployed solutions on **AWS (Ubuntu instances)** with logging, monitoring, and data management, serving **400+ users in the first month** and earning recognition from veterinarians and NGOs.

INDEPENDENT PROJECTS

DASHAMLAV.in Portfolio

Kanpur, IND

Full Stack Development

Sept 2023 -Nov 2023

- Developed a high-performance personal website with **Next.js + SCSS, optimized for SEO** (Core Web Vitals 90+), accessibility, and low-latency UX.
- **Increased traffic by 120% in 3 months** (via GA) and secured client leads; integrated CI/CD pipeline for automated deployments.

Studio Ghibly Styled Image Converter Using Open Source Models

Mumbai, IND

Mar 2025 -Apr 2025

- Built an image-to-image pipeline with **FastAPI** and **LoRA** models to generate Studio Ghibli-style art, with a **Next.js** frontend, self hosted it **github** and **own dGPU** with about **60+** generations per day.

EDUCATION

CHANDIGARH UNIVERSITY,

MOHALI, PUNJAB

Master of Computer Applications, Specialized in AI ML

2021-2023

VIRENDRA SWARUP INSTITUTE OF COMPUTER STUDIES

KANPUR, U.P.

Bachelors of Computer Applications

2018-2021

ADDITIONAL INFORMATION

- Certified in *Machine Learning in Production* (DeepLearning.AI), *Data Science 101* (IBM), *Data Science Methodology* (Cognitive Class), and *Data Science Tools* (Cognitive Class).
- Certified in *Pharmaceuticals Industry Foundations* (Primerli), *IBM Agile Explorer*, and *Enterprise Design Thinking Practitioner* (IBM).