Prajwal Dwivedi

RPA/AI Automation Engineer — Python, UiPath, FastAPI.

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"Self-motivated engineer passionate about intelligent systems—bridging automation, ML, and product thinking."

EXPERIENCE

IBM India Pvt. Ltd. | Mumbai, IND — *Application Developer RPA*

DEC 2023 - PRESENT

- Designed and deployed **AI-driven automations** using **Python (PyAutoGUI, LangChain, Gemini API)** and **UiPath**, streamlining processes across Supply Chain, Finance, HR, and IT.
- Conducted **feasibility studies, ROI analysis, and Agile delivery**, ensuring cost-effective and scalable automation aligned with client business goals.
- Built an **end-to-end monitoring framework in Python + SQLite**, enabling proactive logging, analytics, and long-term system reliability.
- Automated **14 new processes** and enhanced **5 legacy systems**, achieving **6,500+ business hours** saved annually and reducing costs by **₹45+ lakh per year**, with multi-year financial impact.

PETLET.in, Delhi, IND — *Machine Learning Engineer*

JAN 2023 - SEP 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 **domain expert interviews, 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.

EDUCATION

Chandigarh University, Mohali, Punjab — *M.C.A. in Artificial Intelligence & Machine Learning*

AUG 2021 - JUL 2023

Virendra Swarup Institute of Computer Studies, Kanpur, Uttar Pradesh — *Bachelor of Computer Applications*

JUL 2018 - MAY 2021

SKILLS

Languages: Python, JavaScript, SQL, Bash.

ML/Data: TensorFlow, scikit-learn, Pandas, NumPy, LangChain, FastAPI.

RPA/Automation: UiPath, Power Automate.

Frontend: Next.js, SCSS

PROJECTS

DASHAMLAV.in | Full Stack Development

OCT - NOV 2023

Developed an award-winning e-commerce site with **Next.js**, optimizing **SEO**, performance, and scalability while collaborating with teams to deliver a responsive, user-focused, and timely solution.

Studio Ghibli Style Image Converter | FastAPI, GenAi

MAR - APR 2025

Built an image-to-image pipeline with **FastAPI** and **LoRA** models to generate Studio Ghibli-style art, with a **Next.js** frontend and optimized backend for production-grade performance.

CERTIFICATIONS

Data Science 101, issued by **IBM India** in Apr 2025.

Data Science Methodology, issued by Cognitive Class**(IBM)** in **Apr 2025.**

Machine Learning in Production issued by **DeepLearning.ai.**