

Pranav Dhawan

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EDUCATION

George Washington University	Washington DC, USA
<i>Master of Science, Data Science (GPA 3.74)</i>	May 2026
Relevant Coursework: <i>Machine Learning, Deep Learning, NLP, Data Mining, Cloud Computing, Time Series Analysis</i>	
Manipal University Jaipur	Rajasthan, India
<i>Bachelor of Technology, Computer Science and Engineering (GPA 3.52)</i>	May 2024
Relevant Coursework: <i>Algorithms & Data Structures, Database Management Systems</i>	

PROFESSIONAL EXPERIENCE

American Chemical Society, Washington DC, USA

AI Workplace Engineer

May 2026 – Present

- Automated ~70% of monthly Ivanti Neurons service desk tickets by connecting email intake to a RAG-enabled workflow that classifies requests, drafts responses for information tickets, and routes complex issues to staff with suggested solutions and relevant Wiki sources.
- Established an AI governance blueprint covering data protection, secure knowledge-base access, human-in-the-loop review, token misuse prevention, and responsible deployment standards for internal AI workflows.

Siva Info LLC, New York, USA

AI Engineer

June 2026 – Present

- Built AI-driven document processing workflows for journals, papers, and books using scripting, local LLMs, and comparison pipelines.
- Developed change-manifest tooling to detect content changes across source file versions.

Lumina Datamatics, MA, USA

Machine Learning Engineer

Feb 2024 – Aug 2024

- Developed and fine-tuned computer vision pipelines to detect and extract complex equations from 10,000+ unstructured documents, improving technical content digitization and reducing manual review effort.
- Refactored the document layout parsing architecture by replacing legacy LayoutParser components with a custom pipeline, improving extraction accuracy by 16% and reducing inference latency by 0.3 seconds per page.
- Architected a RAG system for legal document search using hybrid BART and BERT based models, optimized embeddings, and FAISS indexing, reducing query retrieval time from minutes to under 5 seconds.

HCL Technologies, Noida, India

Machine Learning Intern

Jul 2023 – Sep 2023

- Identified productivity drivers across a 500+ person workforce by applying clustering, Logistic Regression, and Random Forest models to employee activity and performance data.
- Engineered 12+ workforce KPIs from raw activity logs using SQL and Python, then built Tableau dashboards to support data-backed workforce planning.

Ernst & Young, Gurgaon, India

Summer Intern

May 2023 – Jul 2023

- Developed Power BI dashboards for Sales and HR functions, visualizing revenue trends, customer acquisition, headcount, attrition, and compensation benchmarks.
- Automated ETL workflows using Alteryx to extract, clean, and transform data from 5+ sources, improving reporting consistency and eliminating manual data handling errors.

PROJECTS AND OTHER EXPERIENCE

[Stock Screen](#)

Jan 2026 – Present

- A real-time AI-powered terminal that unifies stock analysis, market news, company filings, forecasting workflows, and market context into a single interface.

[Multimodal Techniques for Financial Time Series Forecasting](#)

Jan – May 2026

- Conducted a benchmark study on the FinMultiTime dataset using multiple data modalities, evaluating 10+ different finetuned model architectures and ensembles delivered findings in a research paper and technical report.

PROFESSIONAL SKILLS

Languages, Libraries & Frameworks: Python, R, pandas, NumPy, scikit-learn, Matplotlib, Seaborn, PyTorch, TensorFlow, Hugging Face, n8n, CrewAI, LangChain, Agentic AI

Data & Visualization: SQL, MySQL, AWS, Google Cloud Platform, Power BI, Tableau, Streamlit