Dhawal Dixit

Chicago, IL | +1 312-434-1924 | dhawal@uchicago.edu | linkedin.com/in/dhawal-dixit

EDUCATION

The University of Chicago   Chicago, IL
M.S. Applied Data Science   *Exp. Dec 2026*

Manipal Academy of Higher Education   Manipal, Karnataka
B.Tech Electrical & Electronics (Minor in Data Science)   *July 2019 – May 2023*

TECHNICAL SKILLS

Languages: Python, C++, C#, R, SQL
ML & Modelling: Scikit-Learn, LightGBM, PyTorch, TensorFlow, Keras, JAX
NLP & LLMs: spaCy, NLTK, Transformers, Langchain, Langfuse, Llama 3, Granite 3.2
Data Infrastructure: Hive/Impala, HDFS/YARN, Docker, Kubernetes, KubeFlow
ML & Data Ops: MLFlow, Dataiku, Tableau, PowerBI, SSMS, SSIS, Linux/Windows
Relevant Coursework: Machine Learning, Statistical Modelling, Algorithms, Online and Reinforcement Learning, Statistical Inference, Regression Models.

PROFESSIONAL EXPERIENCE

Development Innovation Lab   Chicago, Illinois
Research Assistant   *September 2025 – Present*
- Developing weather forecasting models using GNNs, for farmers in mid to lower income economies

Hewlett-Packard Enterprise   Bangalore, Karnataka
Systems Software Engineer   *Aug 2023 – Aug 2025*
- Trained, deployed, and orchestrated multiclass classification models using LightGBM to taxonomize customer support cases, boosting the automation rate from 60% to 82%
- Led creation of LLM-integrated APIs for sentiment classification and text summarization of customer emails, leveraging Llama 3, Granite 3.2, and ChatGPT 4o via Langchain
- Managed a 26-node HDFS cluster (300+ TB data) while optimizing ETL queries in ingestion pipelines, ensuring high availability and reducing job runtime by over 5 hours
- Developed context-aware text cleaning pipelines using Hive/Impala and built C#/Python connectors to ingest diverse data sources into the HDFS data lake

Hewlett-Packard Enterprise   Bangalore, Karnataka
Software Engineering Intern   *Jan 2023 – July 2023*
- Automated 12+ data integrity checks using Python between upstream data-marts and internal data lake
- Developed quality control charts using R and Python for statistical process control to monitor data loads

Jio Haptik   Mumbai, Maharashtra
Data Engineering Intern   *June 2022 – Oct 2022*
- Designed a data model for a cloud data warehouse to store 10+ TBs of text data generated by conversational AI agents; final schema reduced read latency by 50% compared to common solutions
- Led the development of dashboards on Tableau visualizing KPIs tracked by L1 leaders

SELECT PROJECTS

Named Entity Recognition on CONLL 2003 | *Transformers, BERT*   Dec 2023
- Fine-tuned a BERT transformer model to classify entities like person, organization, and location in text

Emergency Care Analytics | *DataKind, Snowflake, Tableau*   Dec 2022
- Visualized geographic distance between emergency care-seeking callers and connected care centers.
- Utilized Snowflake for data analysis and Tableau for visualization to support operational insights

LEADERSHIP & ACTIVITIES

Leadership: Led a team of 200+ students to Podium finishes in inter college theatre festivals
Awards: 2nd Place in HPE Cybersecurity Hackathon, Ranked 2nd in inter college Programming Competition