Contact

uditsharma8959@gmail.com

www.linkedin.com/in/itzuditsharma (LinkedIn)

Top Skills

LangChain

Natural Language Processing (NLP)

Deep Neural Networks (DNN)

Languages

English (Professional Working)

Certifications

Deep Learning Specialization

AWS Academy Graduate - AWS Academy Cloud Foundations

Machine Learning Specialization

Honors-Awards

Gold Medal in M.P. State Karate Championship

Silver Medal in All India Karate Championship

Bronze medal in Asia Cup Karate Championship

Bronze Medal in India Independence Cup

Gold Medal in 8th Gwalior District Karate Championship

Udit Sharma

AI/ML Engineer @Hughes Systique Corporation | Machine Learning | Data Science | Generative AI | AWS
Gurugram, Haryana, India

Summary

A results-driven AI/ML Engineer with a passion for transforming data into meaningful business insights. Experienced in Exploratory Data Analysis, Data Visualization, Machine Learning, Predictive Modeling, Forecasting, A/B Testing, Computer Vision, Natural Language Processing, Speech Recognition, and Generative AI. Adept at uncovering patterns, extracting valuable insights, and communicating data-driven stories that drive decision-making.

To connect: uditsharma8959@gmail.com

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Experience

Hughes Systique Corporation (HSC)
2 years 6 months

Engineer - AI/ML
April 2025 - Present (3 months)
Gurugram, Haryana, India

Working on Machine Learning related aspects of Integrated Sensing and Communication (ISAC)

Associate Engineer - AI/ML
July 2023 - March 2025 (1 year 9 months)
Gurugram, Haryana, India

Spearheaded development of enterprise-scale RAG system for 3GPP specifications using LangChain, and Mistral, achieving 92% accuracy in technical query responses surpassing ChatGPT 3.5's performance

Deep Unfolded ISTA algorithm using Python, achieving 10x faster convergence and 85% reduced computational complexity compared to traditional methods

Refined a Vision Transformer model in PyTorch for semantic communication, optimizing

bandwidth utilization by 45% and improving encoding efficiency by 30%. Leveraged attention mechanisms to emphasize critical image regions, ensuring high-fidelity reconstruction in low bandwidth environments.

Trainee
January 2023 - June 2023 (6 months)
Gurugram, Haryana, India

Implemented Convolutional Neural Networks for the task of Image Classification

Implemented Physical Uplink Shared Channel till modulation by writing CUDA kernels leading to a 27x faster performance gain via GPU parallelisation

Implemented CUDA libraries like cuDNN for optimized Machine Learning models, cuRAND for generating random inputs, and Thrust for enabling performance portability between GPUs and CPUs

Praedico Global Research Pvt. Ltd.
Data Science Intern
May 2021 - July 2021 (3 months)
India

Performed Exploratory data analysis on a dataset of over 0.5 lac customers and used visualization tools to create actionable insights

Trained an XGBoost model to identify at risk-customers and churn rates, selected optimal hyperparameters using GridSearchCV

Used statistical analysis and A/B testing to determine the popular courses and optimal pricing strategies to maximize revenue

Gopali Youth Welfare Society
Center Coordinator
May 2020 - May 2021 (1 year 1 month)
IIT Kharagpur

Motivated and built a strong team of 19 Members to cover operations in Gwalior and its neighboring villages and cities

Collaborated with 5+ schools of Gwalior and successfully organised a National Webinar under the initiative - RISE (Reform and Innovate School Education) which aims at promoting student-centric teaching methods

Individually pitched maximum individuals among all LiGHT Centre for participating as mentors in Nation - Wide Career Counselling program which aims to provide indirective counseling to students of Secondary and Senior Secondary Classes

Education

ITM Gwalior
Bachelor of Technology - BTech, Computer Science · (June 2019 - May 2023)

Eklavya Vidya Mandir
XII · (April 2018 - April 2019)

Ramshree India International School
 · (July 2006 - July 2018)