

Dipti Mishra

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India

LinkedIn
Leetcode
Github

Education

Bachelors in Computer Science

B.Tech in Computer Science

Specialization in Artificial Intelligence and Machine Learning

Percentage - 86%

Noida Institute of Engineering and Technology

Sep 2020 – May 2024

Work Experience

Software Engineer

Capgemini

Sep 2024-Present

Completed Capgemini's intensive Java and Agile training, contributing to a team project that improved process efficiency by 10%

Resolved 100+ critical software issues, improving system stability and reducing downtime by 35%.

Projects

AI Powered Data Insights | Link

March 2025

Python, Streamlit, Pandas, Matplotlib, Seaborn, SQLite, Docker

Developed an AI-driven report generator, automating 40% of data analysis using Streamlit and DeepSeek API

Integrated NLP-based AI queries, enhancing data insights retrieval

Designed a visualization module, improving data interpretability by 30%

Engineered automated data cleaning, reducing preprocessing time by 60%

Dockerized the app for seamless deployment across environments.

Neural Style Transfer | Link

Sep 2024

Python, TensorFlow, Keras, Matplotlib

Implemented Neural Style Transfer (NST) model using VGG-19 architecture, enhancing image stylization efficiency by 20%

Reduced processing time by 8% through pre-trained convolutional layer optimizations

Achieved high-quality artistic rendering, improving content-style blend accuracy by 26%.

RAG Chatbot using Large Language Model | Link

April 2024

Python, LLM, Mistral Ollama, ChromaDB, Streamlit

Built an advanced RAG-based Chatbot integrating LLM for real-time contextual conversation handling

Leveraged ChromaDB for efficient retrieval of embeddings, reducing response latency by 40%

Integrated a Streamlit-based UI, improving usability and user engagement by 60%.

Technical skills

Languages

Python, Java, HTML/CSS

Frameworks & Database

Django, FastAPI, Streamlit, SQL, MongoDB

ML Technologies

TensorFlow, LLM, Generative AI, NumPy, Pandas, CNN, YOLO

Tools

Git, Docker, VS Code, Google Colab

Achievements

* Analyzed, strategized, and successfully tackled 300+ DSA problems on various platforms

* Prepared a Research Paper on "RAG Chatbot Using Large Language Model"

Certifications

Deep Learning with Keras and TensorFlow | Link

Introduction to Neural Networks and PyTorch | Link

Introduction to NoSQL Databases | Link