

# Ashish Mehra

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New Delhi, India

## EXPERIENCE

### • Mnnlr

Sept 2024 - Present

Machine Learning Intern

Remote

- Analyzed and processed large datasets to extract actionable insights using Python and SQL.
- Built and trained YOLO-based models for chessboard recognition with 95 percent accuracy, demonstrating expertise in real-time machine learning solutions.
- Collaborated with cross-functional teams, gathering business requirements and aligning deliverables with client needs.
- Participated in Agile workflows, including sprints and stand-ups, to enhance team efficiency.

### • Always Innovation

Feb 2023 - July 2023

Machine Learning Intern

Gurugram, Haryana

- Developed predictive models for classification and regression, applying statistical techniques and ensemble methods.
- Automated data pre-processing with Python, reducing manual efforts by 10+ hours weekly.
- Improved model performance by 15 percent through feature engineering and hyperparameter tuning.
- Leveraged TensorFlow and PyTorch for model development and deployment.

## EDUCATION

### • GGSIPU

2021 - 2024

Bachelor of Technology

Delhi, India

- GPA: 3.2/4.00

## PROJECTS

### • English To SQL Query

Tools: [ Python, HuggingFace , Streamlit, Github, SQLite3]



- Designed and developed an AI-driven application leveraging GEMINI API to convert natural language inputs into optimized SQL queries.
- Built an intuitive user interface using Streamlit and integrated SQLite3 database for dynamic table creation and management.
- Utilized NLP and fine-tuned the model through iterative fine-tuning and prompt engineering to enhance accuracy and performance.

### • Text Summarization with Transformer

Tools: [Python, Hugging Face, transformer, Flask, Github]



- Fine-tuned pre-trained Transformer models (BERT, T5) using Hugging Face for text summarization.
- Developed preprocessing pipelines, including tokenization and attention masking, for large textual datasets.
- Deployed a Flask API to enable real-time summarization with minimal latency.

## SKILLS

- **Programming Languages:** Python, SQL, Java
- **Database Systems:** PostgreSQL, SQLite3, MongoDB
- **Data Science & Machine Learning:** TensorFlow, Keras, scikit-learn
- **Cloud Technologies:** AWS
- **DevOps & Version Control:** Git, Jupyter Notebook, DVC, MLflow
- **Specialized Area:** LangChain, RAG, Vector DBs, LLM models (GPT-4, BERT)
- **Other Tools & Technologies:** Hugging Face, Transformers, Flask, Docker
- **Research Skills:** Strong communication, problem-solving, attention to detail