

NIDHIN K

Junior AI/ML Engineer

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[GitHub](#)
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EDUCATION

M. Sc in Data Science and Analytics

August 2022 – July 2024

Jain (Deemed-to-be) University, Bangalore, Karnataka

B. Sc PMCs(Physics, Mathematics, Computer Science)

April 2019 – May 2022

St Philomena's College , Mysore ,Karnataka

WORK EXPERIENCE

EDEX Foundation: Junior Data Scientist (Freelance)

August 2024 – January 2025

- **Developed AI Voice Cloning Tool:**

- Built an AI-powered voice cloning tool using Generative AI techniques, Python, and Flask. Designed for the marketing team and audiobook generation, significantly reducing the workload of the study abroad program.

- **Streamlined Marketing Operations:**

- Assisted the marketing team and collaborated with backend engineers to collect and organize marketing data and develop applications, helping streamline workflows and improve team efficiency.

Mazo Solutions: Data Science Intern

January 2024 – March 2024

- **Developed a Recruitment Chatbot:**

- Engineered a recruitment chatbot using Flask and Python, integrating Gemini API, which automated candidate assessments, validated responses, and generated detailed reports, reducing recruiter workload by 50%. Utilized SQL for managing and querying candidate assessment data, improving reporting efficiency by 30%.

- **Automated Candidate Assessment and Reporting:**

- Built a system to evaluate candidate responses in real-time. Implemented scoring logic and generated detailed reports for hiring managers, leading to more efficient candidate screening.

PERSONAL PROJECT

RAG-based QA Evaluator Bot

- **Skills:** Python, BeautifulSoup, Hugging Face (MiniLM), Semantic Search, Chroma, Prompt Engineering, Streamlit
- Built a RAG-based system to evaluate ML questions using web scraping, semantic search, and LLMs.
- Implemented semantic scoring with MiniLM embeddings and Chroma to assess answer relevance.
- Created an interactive Streamlit app to dynamically load questions, retrieve content, and evaluate answers.

Natural Language to SQL (NL2SQL) System :

- **Skills:** Python, Transformers, Hugging Face, SQLite, NLP, Evaluation Metrics
- Designed and implemented an NL2SQL system to convert natural language queries into SQL using a transformer-based pre-trained language model.
- Built a mock employee database in SQLite and developed custom evaluation metrics (Exact Match & Execution Accuracy) to assess query translation performance.
- Evaluated model outputs on real data, identifying limitations and achieving 58.41% Exact Match Accuracy.

SKILLS

Programming Languages	Python, R, SQL.
Data Visualization	Power BI, MS Excel.
Data Processing	Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA), Statistical Modeling.
Deep Learning	Natural Language Processing (NLP), Computer Vision, CNN, YOLO, RNN, Neural Networks.
Machine Learning	Pandas, NumPy, scikit-learn, TensorFlow, PyTorch.
Generative AI	BERT, Transformers, Text Generation
Cloud Platforms	Azure (Machine Learning Studio).
Big Data	Hadoop, Spark.

CERTIFICATIONS

- Certificate Course in Data Analytics and Data Science- *Chools*
- Master SQL for Data Science - *Udemy*
- Power BI Training for Data Science - *Udemy*