Nandini Shinde

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Experience

Software Developer   *Indore, MP*
The Rapid Hire pvt.ltd   *Mar 2025 – Present*

○ Optimized more than 50+ complex SQL queries and data models in Snowflake, DBeaver, and SSMS, improving query performance by 30% across Optum's healthcare analytics platform.
○ Developed and deployed Apache Airflow DAGs for automated ETL pipelines.
○ Collaborated with functional teams at Optum, improving data workflows using Airflow DAG and Python scripting.
○ Monitored and troubleshot production workflows.
○ Tech Stack: Snowflake, SSMS, DBeaver, SQL, Python, Git, Github, Asana.

Software Engineer   *Indore, MP*
Green Rider Technology   *Feb 2024 – Jan 2025*

○ Engineered advanced prompts for Large Language Models LLM using RLHF, to improve LLM response accuracy by 60% in chat-bot conversations.
○ Tested, and optimized scalable code for model training.
○ Tech Stack: Python, Machine Learning, Prompt Engineering, LLM Training.

IT Intern   *Indore, MP*
Indore Municipal Corporation   *Apr 2023 – Jun 2023*

○ Gained insights into IT cell operations of the Municipal Corporation and the technologies used.
○ Developed an intern attendance system using Flask, reducing manual tracking efforts.
○ Tech Stack: Python, Flask, SQLAlchemy, HTML/CSS, GitHub

Skills

Databases Warehousing: Snowflake, SQL, SQLAlchemy, SSMS, DBeaver, Data Modeling.
Data Engineering Cloud: Apache Airflow, ETL Pipelines, Azure Data Factory, AWS (S3, IAM, EC2).
Programming Libraries: Python, Pandas, NumPy, Scikit-learn, TensorFlow, Keras.
Web Dev Tools: Flask, HTML, CSS, Bootstrap, Postman, Git, GitHub, Asana, Rally.

Projects

Enterprise Data Pipeline Modernization Client: Optum (via HCL Technologies)

○ Built scalable ETL pipelines using Apache Airflow and Snowflake to process healthcare claims data. optimized stored procedures, reducing execution time by 35%.
○ Ensured timely data delivery to analytics teams across business units.
○ Tech: Snowflake, SQL, Airflow, Python, AWS S3, SSMS, DBeaver

Sanskrit Chat-bot using Rule-Based NLP: MAJOR PROJECT   *Major Project Git-link* ⧉

○ Created a rule-based NLP chat-bot capable of conversing in Sanskrit and completing Sanskrit verses.
○ Tech: Python, NLP

Nominator – AI-based Candidate Shortlisting Platform: Minor Project   *Minor Project Git Link* ⧉

○ Developed a full-stack web application to assist recruiters in shortlisting candidates via customized NLP assessments.
○ Tech: Python, Flask, SQLAlchemy, HTML, CSS, Bootstrap

- Role: Full stack Developer

Hand Gesture-Based Volume Controller   *[GitHub Link](#)* ↗

- Built a gesture recognition tool using OpenCV to map finger distance to system volume.
- Integrated with system audio for real-time hardware interaction.
- Tech: Python, OpenCV

Restaurant Review Sentiment Analyzer

- Classified customer feedback using a Random Forest classifier and NLTK-based pre-processing.
- Output included sentiment classification and evaluation via confusion matrix.
- Tech: Python, NLTK, Random Forest

Education

Acropolis Institute Of Technology and Research   *July 2020 – June 2024*
B-Tech in CSE-AIML

- CGPA: 8.20/10

Certifications and Achievements

AWS Cloud Practitioner   *[certificate credentials](#)* ↗

- Gain knowledge of AWS Cloud concepts, AWS services, security, architecture, pricing, and support.

Outstanding Performance Award   *[Award Details](#)* ↗

- Got an Outstanding Performance Award from the Mayor of Indore during the internship.