KRISH PATEL

480-604-4547 • kpate385@asu.edu • www.linkedin.com/in/krish-patel2004/ • github.com/kp-krish

SUMMARY

Graduate student in Computer Science at Arizona State University with experience in building data pipelines, database systems, and large-scale data processing. Skilled in SQL, Python, and Java, with projects spanning data engineering, cloud-based analytics, and machine learning. Hands-on experience with data warehousing, ETL workflows, and optimizing queries for high-dimensional datasets. I enjoy designing data-driven solutions that translate complex information into business insights.

EDUCATION

M.S., Computer Science Graduating May 2027
Arizona State University, Tempe, AZ
Ira A. Fulton Schools of Engineering
Relevant coursework: Cloud Computing, Database Systems, Big Data Analytics, Statistical Learning Theory

B.Tech., Information and Communication technology May 2025
Pandit Deendayal Energy University, GUJARAT, INDIA 9.24/10
School of Technology
Relevant coursework: Probability & Statistics for Data Science, Artificial Intelligence, Data Warehousing & mining

TECHNICAL SKILLS

Data Engineering: SQL, Data Warehousing, ETL Pipelines, Data Lakes, Apache Spark, Hadoop, AWS (S3, Redshift, EC2, Lambda, QuickSight), Data Modeling, Query Optimization
Programming: Python, Java, C++, JavaScript, Go, Kotlin
Frameworks & Tools: Docker, Git, Django, React, Node.js, Spring, Streamlit, Scikit-learn, Neo4j
Concepts: Big Data Processing, Cloud Computing, Database Systems, Data Structures & Algorithms, Machine Learning, Generative AI, Large Language Models

PROFESSIONAL EXPERIENCE

Blink Analytics, India: Data Science and LLM Intern Dec 2024 – May 2025

- Automated ETL pipelines to clean and transform datasets for LLM fine-tuning.
- Built data preprocessing workflows that improved training efficiency and accuracy.
- Translated research workflows into scalable, production-ready code.

Neurapses Technologies, India: Machine Learning Intern May 2024 – July 2024

- Designed and ingested large-scale medical data into a Neo4j knowledge graph.
- Developed ETL workflows to integrate structured and unstructured data into a production-ready database.
- Combined NLP pipelines with database systems to deliver accurate query responses for healthcare use cases.

ACADEMIC PROJECTS

Hyperspectral Image Analysis for Fruit Ripeness Detection
Learned how to handle high-dimensional data and extract meaningful features for real-world classification problems.

- Processed 224-band high-dimensional data and built pipelines for feature extraction and classification.
- Applied data augmentation and band selection to balance classes and improve model accuracy.

MediBot: Drug Recommendation Chatbot
Discovered how to combine LLMs with structured databases to deliver reliable

- Built a healthcare chatbot by integrating LLMs with a Neo4j database for structured query responses.
- Packaged with Streamlit, Docker, and ETL workflows for data ingestion and deployment.

CERTIFICATES AND ACHIEVEMENTS

- Secured NPTEL Silver Medal in Ethical Hacking, demonstrating strong foundations in security and systems.
- Competed in multiple Hackathons (SIP, Odoo Combat, others), building rapid prototypes in data science and full-stack development.