

Harshal Arvind Kulkarni

Aspiring Data Scientist | Python | SQL | Machine Learning | Deep Learning | NLP

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Profile

Aspiring Data Scientist with a strong foundation in Python, SQL, Machine Learning, Deep Learning, and Natural Language Processing (NLP). Hands-on experience through a Data Science internship involving data cleaning, exploratory data analysis, and data visualization using Python. Developed projects in text generation using LSTM, multilingual NLP-based chatbot development, and SQL database design. Proficient in TensorFlow, Keras, Pandas, NumPy, Scikit-learn, Matplotlib, and Seaborn. Passionate about leveraging data-driven solutions to solve real-world business problems.

Technical Skills

Programming Languages: Python, SQL

Data Analysis: Pandas, NumPy, Data Cleaning, Exploratory Data Analysis (EDA)

Data Visualization: Matplotlib, Seaborn

Machine Learning: Scikit-learn, Supervised Learning, Unsupervised Learning, Model Evaluation

Deep Learning: TensorFlow, Keras, ANN, LSTM

Natural Language Processing: NLTK, Tokenization, Text Preprocessing, Speech Recognition

Databases: Oracle Database

Tools: Jupyter Notebook, Visual Studio Code, Git, GitHub

Professional Experience

Data Science Intern | Unified Mentor, Gurgaon

December 2025 – February 2026

- Performed data cleaning and preprocessing using Python, Pandas, and NumPy.
- Conducted Exploratory Data Analysis (EDA) to identify trends, patterns, and anomalies.
- Built data visualizations using Matplotlib and Seaborn.
- Analyzed datasets to extract meaningful insights supporting data-driven decision-making.
- Applied Python-based analytical techniques to solve real-world data problems.

Projects

Text Generation using LSTM on Amazon Reviews Dataset

Technologies: Python, TensorFlow, Keras, NumPy, Pandas

- Developed a deep learning model for text generation using LSTM.
- Preprocessed text using Keras Tokenizer and `pad_sequences()`.
- Built an Embedding-LSTM-Dense architecture using TensorFlow/Keras.
- Generated meaningful text sequences from Amazon Reviews data.

Data Cleaning and Exploratory Data Analysis (EDA)

Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn

- Performed data cleaning by handling missing values and duplicates.
- Conducted EDA to identify trends and patterns.
- Built visualizations using Matplotlib and Seaborn.
- Generated insights to support data-driven decision-making.

E-Commerce Order Management System using SQL (Internship Project)

Technologies: SQL, Oracle Database

- Designed a normalized relational database schema.
- Created tables, constraints, and relationships.
- Wrote SQL queries for reporting and retrieval.
- Implemented indexing, stored procedures, triggers, and transactions.

Voice-Based Multilingual Banking Chatbot using Python and NLP

Technologies: Python, Tkinter, NLTK, SpeechRecognition

- Developed a chatbot supporting English, Hindi, and Marathi.
- Built a Tkinter interface and integrated SpeechRecognition.
- Applied NLTK to process banking-related user queries.

Education

Bachelor of Engineering (Computer Science & Engineering)

D.Y. Patil College of Engineering, Akurdi, Pune

Savitribai Phule Pune University

CGPA: 6.62/10 | Graduated: 2025

Post Graduate Diploma in Data Science (Expected Completion: 2029)

Symbiosis Centre for Distance Learning (SCDL)

Certifications

- Advanced Certification in Data Science & AI – 3RI Technologies, Wakad, Pune (Apr 2025 – Jan 2026)

- Java Full Stack Development – IT Education Center, Deccan, Pune (Jun 2024 – Nov 2025)
- Certified AI Driven Professional – Be10X (Aug 2025 – Mar 2026)