

Hamza Shaikh

Data Scientist | Data Analyst

hmsk.tech@gmail.com | +91 7045006672 | Mumbai, India

LINKS

GitHub : [Hamza Shaikh](#)

LinkedIn: [Hamza Shaikh](#)

SKILLS:

PROGRAMMING & Tools:

- Python
- SQL
- Data Analysis
- R Programming
- Machine Learning
- Power BI
- MS Excel
- Web Development

EDUCATION:

Shree LR Tiwari Degree College
| Mumbai University | CGPA
9.6

Bachelor of Data Science
2022 - 2025 | Mumbai, IN

COURSEWORK:

Descriptive Statistics
Python Programming
Database Management (SQL)
Hypothesis Testing
Data Structure
Research Methodology
Data Engineering
Machine Learning
Robotics Process Automation

CERTIFICATES:

Data Science – Google Developers

Python – Google Developers

R Programming – Great Learning

Scientific Computing with Python
- freecodecamp

Fundamental of AI & ML – VOIS

Basics of Python - Open Weaver

EXPERIENCE

Unosys Solution | DATA SCIENCE RESEARCH INTERN

April 2024 - July 2024 | Pune, IN ([Company Website](#))

Internship focusing on data analysis, data visualization and machine learning

- Collected and analyzed data on over 50,000 house prices from sources including Data.gov, Zillow, and Kaggle, refining datasets to ensure accuracy and increasing reliability for predictive modeling efforts by 25%.
- Utilized SQL and Python to analyze large datasets, identifying key trends and patterns, improving data-driven decision-making by 45%.
- Designed and implemented interactive data visualization dashboards using Python and Power BI, improving report generation speed by 40% and enabling real-time analytics for over 25 users across departments.
- Developed and deployed machine learning models for house price prediction using Streamlit, enhancing the model evaluation process and providing accessible web-based predictions.

MAK Tutorials | Teaching Assistant

April 2022 – July 2024 | Remote, IN ([Company Website](#))

- Conducted interactive and engaging classes for students from grade 6 to 10, covering a range of subjects to enhance their understanding and academic performance.
- Collaborated closely with a Senior Full Stack Developer on diverse projects, engaging in tasks such as data collection, mining, analysis, and interpretation under expert mentorship.
- Acquired hands-on experience in integrating new technologies and solutions, effectively translating theoretical concepts into real-world applications through hands-on work with a senior developer.

Projects

Predicting Penguin Species using Machine Learning | Python

- **Description:** Developed a machine learning model to predict penguin species using the Palmer Penguins dataset. Leveraged scikit-learn for model training and Streamlit for building an interactive web application. Achieved 98% accuracy with Random Forest Classifier. Integrated user input features to dynamically predict species and visualize the decision-making process.
- **Link:** [Live Demo](#)

House Price Analysis Dashboard | Power BI | Data Visualization

- **Description:** Designed an interactive Power BI dashboard to analyze house prices in Mumbai. Integrated data from various sources, including government records and real estate listings. The dashboard enables users to filter by location, year, and property type, providing insights into pricing trends and influencing factors over the past decade. Used DAX functions to create custom metrics and KPIs.
- **Link:** [Project Blob](#)

Airbnb Dataset Analysis | Python | Data Analytics

- **Description:** Conducted comprehensive data analysis on Airbnb listings, including steps like Data Collection, Data Cleaning, and Exploratory Data Analysis (EDA). Utilized Python libraries such as Pandas, NumPy, and Matplotlib for Descriptive Statistics, Visualization, and Time Series Analysis. Implemented Geospatial Analysis to identify price variations across different neighborhoods. Discovered key factors influencing booking rates and host behavior.