

ZAINAB SHAIKH

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github.com/zainab-sk | zainabskportfolio.netlify

SKILLS

- **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn), SQL
- **Data Analysis:** Data Cleaning, Data Visualization, Statistical Analysis, Data Transformation, ETL
- **Tools:** Power BI, Tableau, Excel (VLOOKUP, Pivot Tables)
- **Soft Skills:** Strong Communication, Collaboration, Problem-Solving

EDUCATION

BSc Information Technology | University of Mumbai

Sept 2021 - Oct 2023 | CGPA : 9.32

Diploma in Computer Engineering | M.H Saboo Siddik Polytechnic

July 2017- Nov 2020 | CGPA : 9.4

WORK EXPERIENCE

AICTE Internship | TechSaksham (Microsoft & SAP Initiative)

Feb 2025 - Mar 2025

- Built an ML-based Disease Prediction System for Diabetes, Heart Disease, and Parkinson's using patient data.
- Trained models (SVM, Logistic Regression, Random Forest, Decision Trees) for improved accuracy.
- Increased Heart Disease Prediction accuracy by 5.95% (84% → 89%) by implementing Logistic Regression.
- Enhanced Parkinson's Prediction accuracy by 3.45% (87% → 90%) using Tomek Links for data balancing.

Data Analyst Intern | KultureHire | Puducherry, Tamil Nadu

Dec 2024 - Jan 2025

- Cleaned and structured career preference data of Gen-Z for better analysis.
- Used Excel and SQL to uncover patterns in job preferences, salaries, and work environments.
- Created Power BI dashboards to visualize trends, aiding decision-making.
- Identified key correlations between salary expectations, career choices, and personal goals.
- Provided actionable insights to refine hiring strategies and improve company decisions.

PROJECTS

Disease Prediction using Machine Learning | github.com/zainab-sk/Disease-prediction

- Developed an ML-based Disease Prediction System using Python, NumPy, and Pandas to detect Diabetes, Heart Disease, and Parkinson's from patient data.
- Improved prediction accuracy by optimizing models (SVM, Logistic Regression, Random Forest, Decision Trees) and applying data balancing techniques.

Amazon Prime Video Analysis | github.com/zainab-sk/Amazon_Prime_video_Analysis

- Built **interactive dashboards** analyzing **viewership trends, popular genres, and customer behavior** using Tableau
- Extracted insights on **user engagement & content performance**, assisting data-driven decisions.

IPL 2022 Analysis | github.com/zainab-sk/IPL_2022_Analysis

- Designed **KPI dashboards** tracking **player performance, match outcomes, and team statistics**.
- Provided valuable insights for **team strategies & fan engagement analysis**.

CERTIFICATIONS

[Python for Data Science, AI and Development](#) , [Python Project for Data Science](#), [What is Data Science?](#), [Tools for Data Science?](#), [Data Science Methodology](#), [Excel 2019 - Beginners Training](#)