

Mukesh Patil

Pune • 9359033787 • patil.mukesh.sharad@gmail.com • linkedin • Portfolio

SUMMARY

Junior Data Scientist with over 2 years of experience in project work, including participation in multiple hackathons and developing models that effectively address complex problems. Skilled in machine learning, statistics, problem-solving, and programming

SKILLS

Python: Numpy, Pandas, Matplotlib, Sckit-learn, Flask, BeautifulSoup, NLP, OpenCV, Deep Learning

Technologies: Java, Jupyter notebook, Statistical Analysis

Database: MySQL, Microsoft SQL Server, SQLite

Data Visualization: Excel, Power BI

INTERNSHIP

KultuHire | *Data Analyst Intern*

Sep 2023 - Nov 2023

- Collected and cleaned data from **3000+** individuals, applying data wrangling techniques to ensure high-quality.
- Developed and maintained 4 detailed reports and dashboards using Power BI, providing actionable insights for career strategy improvement, resulting in a **15%** increase in strategy effectiveness.
- Conducted extensive data validation and quality assurance checks, achieving a data accuracy rate of **98%**.

PROJECTS

Book Recommendation System | *Python, Flask, Pandas, Numpy, HTML, CSS*

Github

- Designed a sophisticated book recommendation system using the Flask framework, increasing engagement by **30%** through personalized recommendations based on datasets of over **2,50,000** books and **11,00,000** ratings.
- Implemented collaborative-based recommendation algorithms that improved recommendation accuracy by **25%**, analyzing user behaviour and preferences to suggest books aligned with their reading habits.

Automated Textual Analysis Pipeline: Article Texts from URLs | *BeautifulSoup, NLTK*

Github

- Automated extraction of textual content from URLs using Python and BeautifulSoup, reducing manual extraction time by **80%**, ensuring the reliability of collected data.
- Conducted text analysis to derive key metrics like sentiment scores, polarity, and word usage statistics.
- Enhanced analytical accuracy by **25%** through the integration of advanced NLP techniques.

Laptop Price Predictor | *EDA, Flask, Numpy, Pandas, scikit Learn, Seaborn*

Github

- Develop a machine learning model capable of predicting laptop prices based on their features, with a specific emphasis on achieving a high R-squared (R²) score of 0.89.
- Explored data distributions using statistical measures and visualizations, including a correlation matrix with 10+ features, to quantify and visualize the correlation coefficients between features and the target variable (price).
- Conducted feature engineering to create and refine predictive features, leading to a 20% increase in model performance metrics and providing deeper insights into the factors influencing laptop prices.

EDUCATION

Bachelor of Technology - Data Science

May 2024

R. C. Patel Institute of Technology, Shirpur, Maharashtra

CGPA: **8.19**

Higher Secondary Education

March 2020

R. C. Patel Jr College, Shirpur, Maharashtra

Percentage: **82.46**

CERTIFICATES

SQL - 4 Star | *by Hacker Rank*

Link

Python - 4 Star | *Hacker Rank*

Link

Data Science with Python | *by Simplilearn*

Link

Advanced Excel Dashboard | *by Udemy*

Link

EXTRAS

Chatbot for College Website | *Research Paper*

Link