

Akesh Kumar

Data scientist

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SKILLS

Programming Languages & tools : Python, SQL, NumPy, Pandas, SciPy, Matplotlib, Seaborn

Data Analysis and Visualization: Data Manipulation, Dashboards & Reports (Tableau, Power BI), Statistical Analysis

Data Science : Supervised & Unsupervised Learning, NLP, A.I. Models, Linear Algebra, Statistical Modeling, Hypothesis Testing, Deep Learning, Machine Learning, Mlops, A/B Testing, TensorFlow, NoSQL, databases, RNN, ANN, CNN, LSTM

Deployment & Frameworks: Flask, Streamlit, DVC, Mlflow, GitHub, HTML, CSS, Docker

EXPERIENCE

- **Data Science Intern | LearnVista | Aug, 2023 - April, 2024**

- Predicted medical charges for insurance claims using advanced data analytics and supervised learning, achieving a model accuracy of 85% and reducing prediction errors by 20%.
- Identified impact factor, such as smoking status, leading to a 30% improvement in identifying high-risk patients.
- Leveraged 15 years of collected data to uncover patterns and predict thyroid cancer recurrence, improving patient risk assessment methodologies by 40%.
- Conducted and managed research on employee attrition, predicting and identifying key causes (low salary, no appreciation & lack of promotion) with 94% accuracy, reforming HR policies and reducing attrition rates by 40%.

- **British Airways Data Scientist | Forage | April, 2024 - May, 2024**

- Completed a simulation focusing on how data science is a critical component of British Airways success.
- Scraped and analyzed customer reviews, performed sentiment analysis.
- Built a predictive model to understand factors that influence buying behavior.

- **Data Science Intern | iNeuron | June, 2024 - Present**

- Currently engaged in a project focused on segmenting customers and analyzing their behavior using machine learning techniques, expected to improve targeted marketing strategies by 25%.

PROJECTS

Mission Earth - "The Awareness Project" Final Year Project (BCA) [Link](#)

- Led a team of 5 and collaborated with individuals and organizations dedicated to combating animal cruelty.
- Performed comprehensive research revealing that 40% of people are not aware of the term "animal cruelty," 65% are unaware of the rules and regulations related to it, and only 10% have seen any awareness posts on this topic.
- Applied research findings and expertise of our team to develop an interactive and impactful project website, increasing awareness and engagement by 20%.

Electronics Recommendation System [Link](#)

- Engineered and implemented a recommendation system using Cosine similarity and NLP techniques
- Improved data quality through data cleaning and preprocessing, ensuring smooth operation.
- Reduced deployment file size by 99% using Batch/Offline Learning technique.

WhatsApp Chats to Pandas Dataframes [Link](#)

- Created a Python module capable of converting WhatsApp chats (both individual and group) into Pandas DataFrames for advance analysis and easier manipulation.

EDUCATION

Bachelor of Computer Applications (BCA) | HPU Shimla | Aug, 2020 - Aug, 2023

High School, Economics & Mathematics, HPBOSE | Mar, 2019 - Mar, 2020

AWARDS

Datasets CONTRIBUTOR

- Discussion and Code EXPERT with Two Gold and Four Silver Medals at Kaggle

BCA Final Semester

- Achieved 1st place in Numerical Methods, 2nd in Multimedia and 3rd in Aggregate

CERTIFICATIONS

Data Science Artificial Intelligence Certification | LearnBay | Bangalore

- Python, Statistics & Machine learning, Sql & MongoDB, Tableau & PowerBI, Time Series analysis.