Akshay Deshmukh

Data Analyst | Power BI Developer |
Python Developer

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SUMMARY

Dedicated and detail-oriented Data Analyst with 6 months of hands-on experience at Bharat Soft Solutions Pvt. Ltd. Pune. Possesses a strong educational background in Data Science and AI, complemented by a Bachelor's degree in Electronics Engineering. Adept at collecting, analyzing, and interpreting data to drive meaningful insights and business decisions. Proven skills in machine learning model development, optimization, and deployment. Proficient in R, Python, and MYSQL, with expertise in data visualization using R Shiny. Eager to contribute analytical and technical skills to a dynamic team.

EXPERIENCE

Machine Learning (Internship: - 10/2023 to 11/2023 -1 Months)

Internship Studio

- Utilized pandas to import the dataset and checked its shape and datatypes.
- Visualized the dataset using seaborn and matplotlib, creating heatmaps and histograms.
- Cleaned the dataset by dropping rows with missing values, converting 'duration' to seconds, and removing unnecessary columns.
- Transformed attributes into numerical values using Label Encoding.
- Normalized the data and split it into training, validation, and test sets.

Artificial Intelligence (Internship: - 10/2023 to 11/2023 -1 Months)

Internship Studio

- Loaded and preprocessed a face dataset for recognition.
- Split the dataset into training and testing sets.
- Performed Principal Component Analysis (PCA) on the data.
- Trained an Artificial Neural Network (ANN) using MLP Classifier.
- Evaluated the classifier and plotted accuracy vs. k.
- Tested with imposters and measured accuracy.

Software Developer (Internship: 07/2023 to 10/2023 - 3 months)
Salesforce

- Implemented custom solutions using Apex, Visualforce, and Lightning Components.
- Developed Salesforce Lightning Web Components (LWC) to enhance user interfaces.
- Utilized Salesforce REST and SOAP APIs for seamless integration.
- Applied Salesforce Object Modeling and Data Architecture principles.
- Conducted Salesforce Administration tasks to optimize system performance.

Data Analyst (Internship: - 02/2022 to 07/2022 - 6 Months)
Bharat Soft Solutions Pvt. Ltd. Pune

- Collected and prepared concrete data from previous research.
- Explored and analyzed concrete data using descriptive statistics.
- Developed and trained a machine-learning model to predict concrete’s compressive strength.
- Evaluated and optimized the model's performance using multiple metrics.
- We validated the model using training and test sets, deploying it and presenting findings on a dashboard.

EDUCATION

P.G.Diploma	Savitribai Phule Pune University, Data Science and AI	(June 2021 -2022)
	Post Graduated with a First Class (8.60 CGPA)	
B.E	Savitribai Phule Pune University, Electronics Engineering	**(**June 2016 -2021)
	Graduated with a First Class (7.16 CGPA)	

CERTIFICATES

- Game development Using PyGame Certification - GUVI GEEK NETWORK PRIVATE LIMITED
- Python Certification - GUVI GEEK NETWORK PRIVATE LIMITED
- Data Visualization in Empowering Business with Effective Insights Certificate - TATA COMMUNICATIONS
- Data Science Virtual Experience Program - Boston Consulting Group
- Back-End Engineering Virtual Experience Program – Lyft
- Power BI Certification – Microsoft & Be10X
- Machine Learning -Internship Studio
- Artificial Intelligence – Internship Studio

SKILLS

- **Programming Languages: -**Python, R Studio, C, C++, HTML, CSS
- **Machine Learning: -** Machine Learning, NLP, Deep Learning & Google Cloud AutoML
- **Databases:** - MYSQL
- **Data Visualization: -** R Shiny, Power BI, Tableau
- **Web Development: -** Django, Flask, OpenCV, TensorFlow & PyTorch
- **Content Creation: -** ChatGPT & AI Tool Hunt

PROJECTS

Credit Card Fraud Detection (Python Programming):
Objective: Identify fraudulent credit card transactions.
Methods: Utilize machine-learning methods such as Decision Trees, Regressions, Artificial Neural Networks.
Dataset: Contains both fraudulent and legitimate transactions.

Uber Data Analysis (R Programming):
Objective: Utilize data storytelling and visualization to understand Uber operations.
Methods: Focus on data visualization using the ggplot2 library.
Outcome: Gain insights into customer behaviors and trip patterns.

Face Detection (Python Flask and face-api.js):
Objective: Create a Flask web application for face detection using face-api.js.
Languages and Libraries: Python for server-side code, JavaScript for client-side code.
Outcome: Display face detection results on a web page.

Sales Forecast Analysis Dashboard (Power BI):
Objective: Analyze and forecast sales data for a company.
Tools: Power BI for creating a sales forecast analysis dashboard.
Dataset: Includes variables relevant to sales analysis.

Marketing Campaign Dashboard (Tableau):
Objective: Analyze a dataset of marketing campaigns and visualize campaign performance.
Tools: Tableau for creating a marketing campaign dashboard.
Dataset: Contains six variables of multiple data types.