

BHUSHAN SHELKE

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EDUCATION

Indiana University - Purdue University, Indianapolis | *MS in Applied Data Science*

08/2023

University of Mumbai, Mumbai | *BE in Electronics and Telecom*

08/2019 – 05/2023

INTERNSHIPS

TCR Innovation, India | *Front-end web development Intern*

05/2021 – 06/2021

- Learned the basics of the developing responsive websites using Visual studio under the guidance of an experienced team.
- Designed a responsive webpage which consisted of a front-end page using HTML, CSS and added JavaScript to include special effects such as 'vanilla tilting' in the webpage which depicted the information of a Telugu movie.

RAIT, India | *Summer Internship*

07/2022 – 08/2022

- Developed a Machine Learning model using the 'Passive Aggressive Classifier' and 'TF-IDF Vectorizer' algorithms in Python to predict the legitimacy of information in news articles. The model achieved an impressive overall accuracy rate of 74%.
- Successfully deployed a machine learning model in the backend of the application using Flask framework, enabling real-time predictions and enhancing decision-making process.

Exposys Data Labs, India | *Data Science Intern*

12/2022 – 01/2023

- Spearheaded the creation of a machine learning model utilizing Python and scikit-learn, achieving an accurate rate of 80% in detecting early-stage diabetes.
- Implemented XGBoost and Randomized Search algorithm to achieve an impressive accuracy rate, significantly improving prediction accuracy and driving data-driven decision-making.

ACADEMIC PROJECTS

- **Supermarket Billing System:** Developed and implemented a robust supermarket billing system using the 'C' language in Semester II; optimized transaction processing, reducing checkout time by 20% and enhancing customer satisfaction.
- **Uber Data Analysis:** Using Google Cloud Console, cleaned the data and created fact and dimension tables to build final table which consisted of all the total revenue; by using Looker Studio created a dashboard for visual representation.
- **Zomato Data Analysis:** Employed MySQL queries to conduct in-depth data analysis of Zomato customer behaviours, uncovering key insights on favoured choices, buying habits, and market trends, fuelling data-driven marketing campaigns and product innovation.
- **Car License Plate Recognition System:** Created a high-performing Car License Plate Recognition System by harnessing the power of Python and the 'OpenCV' library; implemented advanced image processing techniques within Jupyter Notebook, achieving an impressive 84% accuracy rate for precise and efficient license plate identification.
- **Pharmacy Management System:** Implemented a comprehensive Pharmacy Management System using PHP and MySQL, revolutionizing operational control by enhancing user experience, automating database maintenance with optimized triggers, and enabling admin users with additional privileges for seamless management.

CERTIFICATIONS

Lyft | *Back-end Engineering Virtual Program Experience Program*

03/2023

Tableau | *Udemy Certification on Tableau Data Visualization course*

07/2023

SKILLS & TOOLS

- **Programming Languages & OS:** Java, Python, Windows, Linux
- **Python – Libraries:** pandas, NumPy, scikit-learn, matplotlib, seaborn, Flask
- **Data Management & Analytics Tools:** MySQL, Tableau, Excel
- **Web Technologies:** HTML, CSS, JavaScript

INVOLVEMENTS

- **Volunteer RAIT Techfest** **08/19 – 09/19**
- **Technical Team Member IETE Student Chapter** **09/21 – 01/22**