Bhautikkumar Lukhi

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📍 C23, Dornberger Straße 282, Bielefeld   in LinkedIn   ⌨ Github

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🎓 EDUCATION

M.Sc. Data Science, *Bielefeld University* ⬈   Oct 2022 – present
Subjects: Deep Learning, Big Data Analytics, Hidden Markov Models, Statistical Learning,   Bielefeld, Germany
Multimodal Behaviour Processing, Multivariate Methods, Regression Analysis, Advanced
Machine Learning, Applied Optimization, Statistical Consulting

B.E. in Computer Engineering, *Gyanmanjari Institute Of Technology* ⬈   Jun 2018 – Jun 2022
Grade : 9.12/10 (**1.4 on German Scale**)   Bhavnagar, India

💼 PROFESSIONAL EXPERIENCE

Student Research Assistant, *Bielefeld University* ⬈   May 2024 – present
- Collaborating with **Prof. Dr. Christian Deutscher** and PhD candidates on **multiple**   Bielefeld, Germany
research projects, offering comprehensive support in literature review, data collection,
preprocessing, and data visualization using **Python**.
- Scraped and processed ~**3 million rows of data** for various events, including
Marathons and **Hockey**, utilizing **advanced data scraping tools** and techniques to
extract relevant information from diverse sources.
- Applied **Statistical models** to support the different hypothesis on **Various Sports.**
- Extracted ~**90k** rows of data for **NBA last 2 minutes report**(L2M report) spanning
last **9 season** that was used for further analysis.
- Proficient in **data preprocessing**, with extensive experience in cleaning, transforming,
and organizing **large datasets** using **MS Excel** to prepare data for EDA.

Student Research Assistant, *Hochschule Bielefeld* (*HSBI*) ⬈   May 2024 – Aug 2024
     Bielefeld, Germany
- Encrypted **real-world sensor data** for **CareTech OWL** project using Fully
Homomorphic Encryption (FHE) and **Concrete-ML** to enable secure training of
machine learning models while preserving data confidentiality.
- Contributed to the development of **privacy-preserving** machine learning solutions for
the smarthomes.

Teaching Assistant - Mathematics, *Bielefeld University* ⬈   Oct 2023 – Mar 2024
- Assisting **Prof. Dr. Michael Hinz** in teaching of students in the **Mathematics 1** course   Bielefeld, Germany
by conducting **3 in-person Tutorials weekly.**
- **Collaborated** with Professor and other 5 tutors to get **highest ever passing ratio** for
the subject.

🧠 SKILLS

Programming Languages	**Data Science Libraries**	**Other**
Python, R, HTML/CSS	Pandas, Numpy, BeautifulSoup, Selenium, TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV	Power BI, SQL, Git/Github, REST-APIs, Linux-OS, MS-Office suite

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🌐 LANGUAGES

English	**German**	**Gujrati**	**Hindi**
Native	Conversational(A2-B1)	Mothertounge	Native

🗂 PROJECTS

FC Schalke Statistical Consulting ⬀   May 2024 – Sep 2024
- **Client**: **Fabio Casalnuovo**, Data Analyst, FC Schalke 04
- Analyzed **Bundesliga** game data using clustering techniques to identify patterns in player performance during **2vs1 situations.**
- Developed **custom methods** to analyse player positioning, spatial distribution, and passing dynamics.
- Provided tactical recommendations based on **data-driven analysis** to improve team performance.
- Got Invited to FC Schalke team meeting to present findings and attend a live match at the stadium .

HR Analytics Power BI Dashboard ⬀
- **Transformed Raw Data** and made **dashboard from Scratch**.
- Implemented **KPIs** to show **Attrition rate** of employees based on various covariates such as Age, Gender, Job role and Salary for **better Storytelling**.

Salary Prediction Web app ⬀
- Used **Real world** data available on **stack-overlow** to build a machine learning model.
- Developed salary predictor web app and **deployed** it using newly available **Stramlit library.**

🎖 CERTIFICATES

Programming for Everybody ⬀
Coursera

Data Analysis with Python ⬀
IBM

Neural Networks and Deep Learning ⬀
DeepLearning.AI

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization ⬀
DeepLearning.AI

SQL Essential Training ⬀
LinkedIn Learning

Designing RESTful APIs ⬀
LinkedIn Learning

Programming Fundations : APIs and Web Services ⬀
LinkedIn Learning

Introduction to R Programming for Data Science ⬀
Coursera

Git From Scratch ⬀
LinkedIn Learning