CHETAN BHARAMBE

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EDUCATION

PCET's Nutan College of Engineering and Research	Pune, IN
B.Tech	Computer Science and Engineering	Jan 2021-Jul 2023

Government Polytechnic Pune	Pune, IN
Diploma	Computer Science	Jul 2018-Nov 2020

WORK EXPERIENCE

DATA SCIENTIST, NEUBRAIN SOLUTIONS PVT LTD, Pune   Des 2023- Nov 2024

- **Led machine learning-driven marketing and data analysis campaigns**, leveraging Python to process **500,000+** data points, boosting campaign decision-making and improving data processing efficiency by **30% with AWS**-based data pipelines.
- Developed and optimized predictive models using scikit-learn, improving campaign forecasting accuracy by **15%** and delivering actionable insights for better campaign strategy.
- Automated campaign data workflows, reducing operational inefficiencies by **25%**, resulting in faster data-driven decisions and more effective campaign execution.
- Managing and guiding the data science and analytics intern team in the development and execution of campaign projects, ensuring alignment with project goals and deadlines.

DATA SCIENCE INTERN, NEUBRAIN SOLUTIONS PVT LTD, Pune   Aug 2023-Des 2023

- **Built a custom chat bot with Open AI and Lang-chain,** enabling dynamic responses to user queries by crawling and storing company website data in a vector store, boosting data accessibility by **60%**.
- Implemented Python scripts with Selenium, automating data gathering and reducing manual workload, resulting **in a 75%** increase in efficiency and improved insights from analyzing India's export data.

AI & ML INTERN, DIGIGROWHUB, REMOTE   Jan 2023-Mar 2023

- Collaborated to develop and enhance AI/ML tools**,** resulting in a 30% boost in data processing efficiency through advanced data pretreatment and algorithm implementation techniques.
- Assisted with model development, testing, and algorithm selection, which resulted in a 25% increase in total model accuracy and performance across several applications.

DATA SCIENCE INTERN, RADIX EDUCATION TRUST(IISPPR), REMOTE   Oct 2022-Des 2022

- Worked on data analysis techniques to analyze and interpret organizational data, resulting in actionable insights and improved decision-making.
- Implemented cutting-edge data technologies, including web crawlers, parser, and scrapers, to efficiently gather and transform large volumes of complex data for analysis.

DATA SCIENCE INTERN, DIGINETA, REMOTE, MUMBAI   Jul 2022-Sep 2022

- Implemented advanced techniques to cleanse and reprocess election data, resulting in a **20% improvement in data accuracy** and reliability for subsequent analysis. Enhanced the quality of the datasets for impact political research and election analysis
- Utilized NLP and sentiment analysis to extract insights from social media data, understanding public sentiment towards political candidates, analyzed survey data, public opinion polls to prioritize key issues for the campaign.
- Collaborated with political scientists, domain experts, and other team members to integrate data-driven insights into the overall political strategy.

PROJECTS

Credit Risk Modelling | Calculation of PD, LGD, EAD, and EL with Machine Learning

- Developed **a credit risk model** using logistic, beta, and linear regression to calculate **Probability of Default**, **Loss Given Default**, and **Exposure at Default**, achieving interpretable scorecards in compliance with Basel II.
- Validated model performance using Population Stability Index and real-world Lending Club data, ensuring robustness with an **AUC of 0.684** for the PD model and an **accuracy of 77.7% for the LGD model**.

PHISHING URL DETECTION | PYTHON, EDA, ML

- Created and executed a machine learning algorithm utilizing feature extraction techniques in Python to accurately detect phishing domain names, resulting in a **95% success** rate in securing sensitive information for online users.
- Analyzed and processed a substantial dataset comprising over 10,000 domain names, demonstrating the scalability and efficiency of the developed solution.
- Contributed to a significant reduction of fraudulent online activities **by 70%,** showcasing the practical impact of the developed phishing detection system.

ADDITIONAL

Skills: **Python, SQL, Machine learning, Generative AI, Statistics, NLP, Excel, LLMs, Analytical Skills, AWS**.

Certifications & Training: Google / Data Analytics Professional [Certificate](#)	Issued Nov 2023
Career Essentials in Generative AI by Microsoft and LinkedIn [Certificate](#)	Issued Aug 2023
Scaler / Data Science - Mastering the Fundamentals [Certificate](#)	Issued Aug 2023