BHUSHAN SANJAY ZADE

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GitHub | LinkedIn | Portfolio | LeetCode

SUMMARY

Junior Data Scientist with over 2 years of experience in project work and freelance jobs Beat 200+ statistics professors and big data professionals in the NCCA pool by building models that best fit the problem Skilled in machine learning, statistics, problem-solving, and programming Passionate about creating innovative solutions to real-world challenges through data analysis and model development

ACADEMIC PROJECT

Machine Learning Library Development | Pune, India
Project Lead | 01/2025 – Present
- Developing a machine learning library from scratch, implementing classic ML algorithms such as simple linear regression, multiple linear regression, gradient descent, stochastic gradient descent, and logistic regression
- Building a scikit-learn-based library for prediction, focusing on model training and prediction with processed data
- Implementing various evaluation metrics including mean squared error, mean absolute error, root mean squared error, R2 score, and adjusted R2 score
- Conducting extensive testing and validation to ensure accuracy, efficiency, and reliability of models within the library

SMS Fraud Detection System | Pune, India
Project Lead | 04/2025 – Present
- Developed a machine learning-based SMS fraud detection system to identify and classify fraudulent messages from machine learning algorithms
- Pre-processed SMS data by cleaning, tokenizing, and vectorizing text with techniques like TF-IDF and Word2Vec
- Implemented machine learning algorithms such as Logistic Regression, Random Forest, and Support Vector Machines (SVM) to create an effective classification model
- Evaluated the model's performance using metrics like precision, recall, F1-score, and accuracy to optimize fraud detection

SKILLS

C, C++, Python, R, SQL, Linux, windows, MacOS, Python (NumPy, Pandas, Matplotlib, scikit-learn), Exploratory Data Analysis (EDA), Power BI, Matplotlib, Seaborn, Tableau, Supervised Learning, Unsupervised Learning, Machine Learning, Git (for version control), Statistical Inference, Jupyter Notebooks, Excel, Object-Oriented Programming, Web Scrapping

EDUCATION

Savitribai Phule Pune University | Pune India
MSC Scientific Computing, Modelling Simulation | 05/2026

Government Institute of Science Nagpur | Nagpur India
BSC Computer Science, Mathematics, Statistics | 05/2024