

VISHAL NAYAKUDE

Solapur, Maharashtra

   [LinkedIn](#)  [Github](#)

Education

Master of Science in Statistics (CGPA : 9.17)

KBC North Maharashtra University

Sep. 2020 – December 2022

Jalgaon, Maharashtra

Bachelor of Science in Statistics (Percentage : 82.48)

Shivaji University

Jul. 2015 – April 2018

Kolhapur, Maharashtra

Internship

Machine Learning Intern

Grroom

Oct 2021 – January 2022

- Responsible for web scraping to collect data, machine learning model training and model testing tasks.
- Incorporated scripts using Python and SQL to scrap raw data from website
- Utilized Google colab, Jupyter notebook and software like LableImg and Geo encoder to complete the assignments based on image annotation and data collection.
- Managed to provide unique solutions and explored ways to send a daily report of task results to team members.

Data Science and Business Analytics Intern

The Sparks Foundation

June 2020 – July 2020

- Written code in Python and R to collect, crunch and analyze data from various internal and external sources.
- Built and tuned ML models like Logistic Regression, SVM, Decision Tree, K-Means etc. using Python (scikit-learn).
- Created linkages between data and business intelligence software to enable predictive modeling and trend analysis.
- Utilized R studio, Jupyter notebook, MS-Excel etc. tools to complete the tasks.

Projects

UK COVID 19 cases Prediction Model | *Python, flask, Heroku*

July 2021

- Developed a machine learning model which predicts the number of daily COVID19 cases in UK
- Dealt with missing values, unstructured data, outlier detection and removal using **Interquartile range** and **boxplot**.
- Used techniques like **Extra Tree Classifier**, **Chi-Square Test** for feature selection, checked **multicollinearity** using **VIF** and addressed it using **PCA**
- Fitted Decision Tree model on training dataset and tune it using hyperparameter tuning and got accuracy of 89%.
- Developed an API using python flask module and deployed the application on Heroku cloud platform.

Technical Skills

Languages: Python, R programming, SQL, SAS

Developer Tools: MS-Excel, Github

Libraries/Frameworks: pandas, numpy, scikit-learn, matplotlib,

Relevant Courses Studied

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|-----------------------|-------------------------|----------------------|---------------------------|
| • Regression Analysis | • Probability Theory | • DOE | • Actuarial Statistics |
| • Linear Algebra | • Multivariate Analysis | • Stochastic Process | • Survival Analysis |
| • Sampling Theory | • Inference | • Time Series | • Optimisation Techniques |

Certifications

- Python for Data Science
- Machine Learning

Achievements

- Indian Stastical Institute Entrance Examination For Postgraduate Diploma In Statistical Methods And Analytics – 2021 qualified with AIR – 62 (Mathematical Statistics)
- Won 1st prize in quiz Competition competition at University Level in Statistics
- Qualified Maharashtra SET conducted by SPPU for Assistant Professor ,held on 26th March 2023 in subject of Mathematical Sciences