Nikhil Pabbu

Aspiring Data Scientist

To Utilize My Technical Skills for achieving the target and developing the best performance in the organization. and upgrade my skills so I could participate in the organization's growth.

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WORK EXPERIENCE

Data Science Trainee
International School of Engineering [INSOFE]

03/2022 - 04/2023

Tasks

- Completed a one-year Work Integrated Learning Program in data science, covering statistics, Python programming, data preprocessing, machine learning, deep learning and computer vision to become a data science professional.
- Gained hands-on experience with various ML models and data preprocessing techniques using Python libraries like NumPy, Pandas, Scikit-learn, and Matplotlib.
- Conducted EDA and data visualization to uncover insights from large datasets.
- Designed, developed, and deployed end-to-end ML applications using Streamlit and fine-tuned deep learning models using Keras/TensorFlow while collaborating with mentors to stay current with latest trends in data science.

Data Science Intern
International School of Engineering [INSOFE]

02/2023 - 04/2023

Lasso Regression Model Development from Scratch

- Developed and tested a Lasso regression model on five datasets from scratch.
- Maintained clear communication with the team lead by submitting weekly tasks, ensuring timely progress and project alignment.

EDUCATION

Bachelor of Technology (Electrical and Electronics Engineering)
Balaji institute of Technology and Science

07/2018 - 07/2022 *70%*

10+2 (MPC)
MJP Junior college

06/2016 - 05/2018 *96%*

SSC
MJP School

06/2015 - 04/2016 *92%*

SKILLS

Python | Statistics | EDA | SQL | Machine Learning | Deep Learning | Computer Vision | Streamlit | TensorFlow

TECHNICAL PROJECTS

Predicting the "Customer Retention Potential Level as Low/Medium/High".

- Developed a customer retention prediction model using machine learning algorithms, including Decision Tree and Random Forest, and utilized grid search to optimize hyperparameters for each model, Also performed customer segmentation using K-means clustering and elbow plot analysis.
- Addressed class imbalance in the dataset using the SMOTE technique and improved model performance by transforming skewed variables using square root transformation.
- Focused on predicting the medium retention potential level using recall as the key performance metric.
- Deployed the model with Streamlit, providing an interactive and user-friendly interface for stakeholders to use and interpret the model results.

"Titanic Survival Prediction Project Using ML Techniques"

- Conducted data preprocessing steps by filling in missing values and performing feature engineering to ensure high quality data was used for analysis.
- Normalized the columns to ensure that the data was on the same scale, leading to improved model performance and accuracy.
- Built a Titanic Survival Prediction Model using various machine learning techniques and used it to predict survival rates.
- Achieved successful predictions through the implementation of advanced data preprocessing, normalization techniques, and machine learning algorithms.

LANGUAGES

English
Full Professional Proficiency

Telugu
Native or Bilingual Proficiency