YAGNESH GIDUTURI.

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| Linked IN| Portfolio | Github Profile |

PROFESSIONAL SUMMARY

- Adept Data Scientist in Unitel Software Limited with nearly 2.5 years of expertise in Python, specializing in understanding business objectives, developing actionable models, and collaborating with cross-functional teams.
- Proficient in essential machine learning libraries, data exploration, and visualization. Proven track record of implementing recommendation engines and predictive maintenance algorithms.

PROFESSIONAL EXPERIENCE

Data Scientist

- Built and implemented machine learning models using Python, aligning with business goals to deliver measurable outcomes and actionable insights from complex datasets.
- Designed and optimized scalable data models to identify trends and patterns, applying advanced analytics and statistical techniques for predictive and prescriptive solutions.
- Cleansed, processed, and validated large datasets, ensuring high-quality data acquisition and integrity to support robust analytical workflows.
- Explored and analysed data to uncover discrepancies, enhancing data collection methods and improving reliability for real-world model deployment.
- Developed and maintained data architectures, streamlining processes and leveraging tools like Jupyter Notebooks to meet specific business requirements.
- Assessed and refined ML algorithms, tuning hyper parameters and resolving errors to boost model performance and scalability.
- Presented data-driven insights to stakeholders, collaborating across teams to address business challenges and drive automation initiatives.

Unitel Software Solutions, Hyderabad   **Sept / 2022 – Present.**

EDUCATION

Aditya Degree College, Tuni, Andhra Pradesh.   2022.
Bachelor Of Computer Science.
Awards: Secured runner-up position in the **DataQuest 2020** Hackathon at Aditya Degree College, Tuni.

SKILLS

- **Programming:** Python (Pandas, NumPy, Scikit-learn), MySQL, Flask.
- **Machine Learning:** Supervised, Unsupervised, NLP.
- **Tools:** Power BI, Matplotlib.
- **Soft Skills:** Problem-Solving, Collaboration, Business Insights.
- **Deep Learning:** TensorFlow and PyTorch(beginner level).

PROJECT

Pima Indians Diabetes Prediction

- Dataset & Objective: Used Pima Indians Diabetes dataset to predict diabetes onset (binary classification) for Pima Indian females (21+) using numerical medical features.
- ML Approach: Built a Python pipeline with scikit-learn, testing six ML algorithms (Logistic Regression, LDA, KNN, Decision Tree, NB, SVM) on eight input features.
- Evaluation: Applied 10-fold cross-validation to compare model accuracy, visualizing results with matplotlib boxplots for robust performance analysis.
- Skills Shown: Demonstrated Python, pandas, scikit-learn, and matplotlib expertise in data handling, model building, and visualization for healthcare applications

Online Shoppers Intention Prediction

- **Objective & Dataset:** Built ML model to predict customer purchase intent using Online Shoppers Intention dataset, analyzing features like page visits and visitor type.
- **ML Pipeline:** Created Python pipeline with scikit-learn, using SMOTE, MinMaxScaler, SelectKBest, and 10-fold cross-validation to evaluate 15+ classifiers, selecting MLP Classifier via ROC-AUC.
- **Impact:** Delivered model with ROC-AUC, accuracy, and F1-score, providing insights to optimize e-commerce marketing and boost conversions.

CERTIFICATIONS

- Prompt Engineering Certification - Cognitive Class Academy (2023)
- AI and Machine Learning Certification - KEATS & KC Pullaiah Foundation (2022)
- Fundamentals in Data Science and Data Visualization Certification - Great Learning Academy (2022)
- Full Stack Data Science Certification - Naresh i Technologies (2022).
- Full Stack Python Developer Certification - Python Life (2021).