Indhu Pitchaipillai

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PROFESSIONAL SUMMARY

Passionate IT fresher with a solid academic foundation in Software development. Dedicated to continuous learning and professional growth in the IT field.

WORK EXPERIENCE

Gateway Software Solutions • 01/2022 - 06/2022   **Coimbatore**
Python with Data Science Intern

- I have completed a Python with Data Science internship at Gateway Software Solutions in Coimbatore.

EDUCATION

Master's Degree in Computer Application

Bishop Heber College • GPA: 8.52   Trichy

Bachelor's Degree in Computer Application

Shrimati Indira Gandhi College • GPA: 72%

CERTIFICATIONS

Python with Data Science internship

Gateway Software Solutions

PROJECTS

Sentiment Analysis on Customer Reviews

- Built a machine learning model to classify customer sentiment (positive, negative, neutral) from product reviews.
- Preprocessed text data using tokenization, stopword removal, and lemmatization.
- Applied TF-IDF for feature extraction and achieved 85% accuracy with a classification model.
- Visualized sentiment trends for actionable insights.
- Tools & Technologies: Python, NLTK, Scikit-learn, Pandas, Matplotlib, Seaborn.

Predictive Maintenance System for Industrial Equipment

- Developed a predictive model using IoT sensor data (temperature, vibration, pressure) to forecast equipment failures and reduce downtime.
- Implemented machine learning models (Random Forest, XGBoost) with 85% accuracy for maintenance predictions.
- Created a real-time dashboard for equipment health monitoring and integrated alerts for high-risk failures.
- Tools & Technologies: Python, Pandas, NumPy, Scikit-learn, Dash, Plotly, AWS S3.

SKILLS

- Agile methodology
- Azure Cloud
- C
- Data Science
- K-Means Clustering
- Machine Learning
- Python
- SDLC
- SQL
- STLC
- Streamlit
- Time Series Analysis