PANCHITHA ANIL

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OBJECTIVE

Aspiring data science student with a strong foundation in statistical analysis, machine learning, and data visualization. Eager to leverage these skills in a dynamic and collaborative environment to solve complex problems, derive actionable insights, and contribute to innovative projects. Seeking opportunities to grow and make a meaningful impact through data-driven decision-making.

EDUCATION

Bachelor of Computer Science and Engineering (Data Science) CGPA - 7.34　　2021 - 2024
Institute of Aeronautical Engineering - Hyderabad.

Diploma in Mechanical Engineering CGPA - 8.55　　2018 - 2021
Government Polytechnic College - Nizamabad.

High School (SSC) CGPA - 9.3　　2017 - 2018
Sai Manikanta Modern High School - Dharmaram.

SKILLS

Programming Languages : C, C++, Python (NumPy, Pandas, Scikit-learn)
Statistical Analysis: Descriptive Analysis, Predictive Analysis, Prescriptive Analysis
Machine Learning: Supervised, unsupervised learning, ensemble methods, neural networks
Data Wrangling: Preprocessing, handling missing data, normalization
Data Visualization: Matplotlib, Seaborn, Power BI
Database Management: SQL
Big Data Technologies: Hadoop
Tools and Libraries: Jupyter, Anaconda, TensorFlow, PyTorch
Cloud Computing: Azure
Soft Skills: Communication, Critical Thinking, Teamwork, Adaptability

INTERNSHIP

AWS - Data Engineering　　Apr - June 2024
AICTE　　*Virtual*
Built data pipelines using AWS services like S3, Glue, and Redshift to process large datasets. Combined different data sources and created efficient data models. Used AWS tools for big data processing and automated tasks with Python and AWS Lambda. Ensured data was accurate and consistent. Worked with teams to gather requirements and document processes, gaining experience with AWS, Python, SQL, and data visualization.

TATA - Data Visualisation : Empowering Business Effective Insights　　Feb - Apr 2023
TATA　　*Virtual*
Engaged in data visualization initiatives at TATA, focusing on generating impactful business insights. Utilized visual representation techniques to empower decision-making through data driven perspectives, fostering effective strategies for business growth.

PROJECTS

Diabetic Retinopathy Detection using ResNet-50
Developed a sophisticated classification system using the IDRiD dataset to analyze diabetic retinopathy. Implemented ResNet-50 architecture, fine-tuning a pre-trained model to classify retinal images into five distinct diabetic retinopathy stages.

Comprehensive Cricket Analytics Dashboard with Power BI

Created a comprehensive cricket data analytics platform using Power BI, extracting ESPN Cricinfo data via web scraping. Integrated various match datasets and player stats using Power Query for ETL. Developed an intuitive Power BI dashboard for stakeholders to explore team strategies, player trends, and match outcomes easily.

Image Caption Generator using CNN and LSTM

This project focuses on developing an Image Caption Generator by leveraging Convolutional Neural Networks (CNNs) for image feature extraction and Long Short-Term Memory (LSTM)networks for sequence generation. The aim is to generate descriptive captions for images using the Flickr8k Dataset.

CERTIFICATIONS

- NPTEL - Intro into Machine Learning.

- NPTEL - Deep Learning.

- Coursera - Google Data Analytics Profesional Certificate.

- Coursera - IBM Data Science Professional Certificate.

- Stanford - Machine Learning Specialization.

- NPTEL - Python For Data Science.

CODING PROFILES

- HackerRank - SQL 5 Star Badge

- Codechef - 766 Rating