TUDUPUNOORI RUTHIK

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Training

DSA Intern — July 2024

Board Infinity – Data Structure And Algorithms In CPP & Java.

◦**About**: Completed an intensive training program on the DSA, gaining hands-on experience in Data structure and algorithms (Board infinity).

◦ Developed a strong understanding of data structure and algorithms, enabling seamless communication between algorithms and applications.

◦ We have successfully completed a project on a Learning Management System (LMS) using DSA algorithms in C++. The project focuses on efficient data handling, performance optimization, and seamless user experience.

Projects

Social Media Insights and Trends: — Aug 2024

- Developed an interactive Tableau dashboard to analyze social media metrics, including engagement trends, audience growth, and sentiment distribution across platforms.
- Conducted sentiment analysis of over 11,000 posts, identifying a dominant positive sentiment (65%) and action-able hashtag trends.
- Conducted geographic and temporal analyses, identifying country-specific engagement patterns and seasonal trends to guide content strategies.

Prediction and Diagnosis of PCOS Using Machine Learning — July 2024

- *Built predictive models using R, including Artificial Neural Networks, Decision Trees, and Naive Bayes, achieving 93% accuracy in PCOS detection.*
- *Performed data preprocessing, including feature engineering (e.g., BMI calculation), categorical encoding, and scaling techniques, to improve model performance.*
- *Delivered actionable insights, such as the correlation between BMI and PCOS risk, supporting early diagnosis and preventive healthcare strategies.*

Certificates

Data Structure Algorithms — August 2024

Board Infinity

Cloud Computing — December 2024

NPTEL

Technical Skills

Languages C++, Java, R

Technologies/Frameworks: Html, CSS, Git, GitHub.

Skills: Data Structures and Algorithms, Problem-Solving

Education

Lovely Professional University Punjab — 2022 – 2026

Computer Science and Engineering — *Jalandhar, Punjab*

Narayana Junior College — 2020 – 2022

Intermediate — Percentage: 83.5% — Hyderabad, Telangana

Narayana School — 2019 – 2020

Matriculation — CGPA: 92 — Hyderabad, Telangana