Shreyans Satpathy

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Experience

Larsen and Toubro Infotech | Maharashtra, Mumbai
Data Engineering Intern | 05/2022 - 07/2022

- Contributed to development of LTI's Canvas Alcazar v2.0, an intelligent modernization accelerator for Databricks.
- Facilitates automated solutions for Data/Schema and ETL migration from legacy systems like SAS, Hadoop to the cloud infrastructure. and improve efficiency by 50%.
- Teamed with 4 people to build the migration tool for SAS to PySpark conversion.
- Reduced code-error rate to below 10%

Carufus Technology Pvt. Ltd | Maharashtra, Mumbai
Software Development Intern | 07/2021 - 10/2021

- Contributed to the development of Brain-Bout, a quizzing platform to promote wellness and increase employee engagement during the 2020 Covid-19 pandemic for work from home employees.
- Engaged in designing new features and maintenance of BrainBout according to required specifications and evolving client needs to cater to an estimated 5000+ daily users.
- Improved engagement rate from 30% to 70% in a span of 2 months.
- Customer satisfactor metrics improved by 2x based on feedback surveys

Skills

- Data Structures and Algorithms
- Object Oriented Programming
- C/C++
- Data Visualization and Analytics
- SQL

Education

Vellore Institute of Technology | Vellore, Tamil Nadu
B.Tech-Bachelor's of Technology | 08/2023

- Majored in Computer Science and Engineering
- 8.7+ CGPA
- Member of Entrepreneurship Cell, an esteemed club of the University

Projects

Covid-19 Visualizations and Predictions Using Machine Learning

Technologies Used: Data Viz., Python

- *Research project focusing on the spread of Coronavirus in India and on a global scale during the first wave (June 2020).*
- *Includes detailed visualizations, forecasting and prediction models of various large scale datasets having 100+ attributes acquired from WHO and ICMR approved databases.*

CoviGen: Covid-19 Detection Using X-Ray Images

Technologies Used: Data Viz., Python, Flask, UI/UX, HTML

- *A Convolutional Neural Network based model to predict Covid-19 positive cases from X-Ray Images.*
- *Reduces detection rate by over 99%.*
- *The model was integrated with a responsive front-end interface with latest UI/UX design principles to improve cognitive response rates by 50% among medical practitioners.*
- *Achieved an accuracy of 99.2% in the deployed CNN Model.*