

Dhyana Chidvilas Rottela

Third-Year, Computer Science degree of BITS Pilani, K.K. Birla Goa Campus

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“Until I get it right.”

Education

Birla Institute of Technology Science, Pilani (CGPA 8.18/10)

Sancoale, Goa

B.E. COMPUTER SCIENCE

Expected 2023

Coursework: Data Structures and Algorithms, Foundations of Data Science, Statistical Inference and Applications, Applied Statistical Methods, Brain-inspired Neural Networks, Probability and Statistics, Linear Algebra, Operating Systems, Database Systems, Object oriented Programming, Discrete Mathematics, Theory of Computation, Computer Programming, Principles of Programming Languages.

Projects

Forecasting Stock Index using Deep Learning

BITS Goa

PROF. JK SAHOO

Dec 2021

- Built a model which could predict stock prices accurately. **Explored and tuned parameters** with many models, and chose the model which performed better than the others.
- Data pre-processing on the raw-data was done using **NumPy and Pandas libraries** in python.

Covid-19 Forecasting using NeuCube

BITS Goa

PROF. BASABDATTA SEN BHATTACHARYA

Dec 2021

- Predicted the number of people infected with COVID-19 using **Neucube software**. This report documents the process of sourcing, preparing, cleaning and formatting the covid-19 dataset so that it can be fed into Neucube for **predicting the third wave of Covid-19**.
- Built the model and **checked for any outliers** in the state-wise data. Tried building the model with **different spike-encoding algorithms (threshold representation, step forwarding, moving window, bens spiker algorithm)**. Out of which, the first 3 encoding algorithms performed better than the later.

Website Portfolio

BITS Goa

PERSONAL PROJECT

May 2021

- The Website was made using **HTML, CSS** and few component templates from **Bootstrap**. I have learnt **web-design (Figma) and front-end development** in this process.
- **Website Link:** dhyanachidvilas.github.io

Skills

Softwares: Excel, Tableau, Minitab, Adobe Photoshop, Adobe illustrator.

Programming: C++, Python, Java, SQL.

Languages: English, Hindi, Telugu, Kannada.

Non-Tech : Graphic Design, Photography, Video-editing.

Affiliations

Database and Management Systems

BITS Goa

TECHNICAL ASSISTANT

Jan 2022 - present

Responsible for **conducting tutorials, answering queries** and **holding doubt solving sessions** for enrolled students.

Enactus BITS Goa

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MARKETING HEAD

2021 - 2022

Leading a group of Graphic designers and Content-writers to guide them, **create content and increase engagement** on social media platforms.

Certification

Building Transformer-based Natural language Processing Applications NVIDIA DEEP LEARNING INSTITUTE

Python for Finance ForeVision