# Dhananjay Kymar Singh

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## Education

**BMS Institute of Technology and Management, Bangalore** **August 2019 – July 2023**
**Bachelor of Engineering – Artificial Intelligence & Machine Learning**
**Courses:** Data Structure and Algorithm, Operating Systems, Database Management Systems, Computer Networks, Advanced Algorithms, Unix System Programming, Cryptography & Network Security, Machine Learning, NoSQL Databases.

## PROJECTS

PROJECTS SMART TRAFFIC LIGHT SYSTEM May 2022-July 2022

- We used digital image processing and in this we use edge detection
- In this system we judge traffic density to appoint time for red and green lights accordingly. More time for more traffic density lanes.

BANGLORE REAL ESTATE PRICE PREDICTION Oct 2021-Dec 2021

- It is a Machine learning project that is used to predict real estate price in various parts of Bangalore
- Performed various data cleaning operations and then applied Linear Regression model and got accuracy of 86%

SALES INSIGHT USING POWER BI May 2021-Aug 2021

- Used Power BI tool to analyze the global superstore dataset.
- Transformed the data with the help of power query editor.
- Create a dashboard that displayed different aspects of data.

PG SELECTION LITE Oct 2022-Dec 2022

- Designed a web site for finding PGs in selected areas. (Suitable for bachelors)
- For structuring the web page used HTML5 and for styling used CSS3 with Bootstrap.
- Used JS for making the site responsive and stored the collection and managed it using SQL.

BRAIN TUMOR IMAGE SEGMENTATION USING DEEP LEARNING Mar 2023-Jun 2023

- As each brain imaging modality gives unique and key details related to each part of the tumor, many recent approaches used four modalities T1, T1c, T2, and FLAIR.
- We have used the BRATS 2018 dataset for our project.
- The method we achieved can state-of-the-art results and can address this problem better than other methods

## SKILLS

**LANGUAGES:** Python, PHP, C, C++, Java, JavaScript
**DATABASES**: SQL, MongoDB,
**TOOLS:** Git, Android Studio, Core Studio, Anaconda, Power BI, MySQL, Jupiter Notebook, XAMPP, MS Tools
**MACHINE LEARNING:** Computer Vision, TensorFlow, OpenCV, Natural Language Processing
**WEB DEVELOPMENT:** MongoDB, express JS, React, Node JS, HTML

## INTERNSHIP

**Exposys Data Labs (Role; Data Science Intern)** Feb 2023 - Mar 2023
During my internship, I focused on developing regression models using Python's scikit-learn library. I worked on predictive analytics, including Linear Regression, Support Vector Regression, Decision Tree Regression, and Random Forest Regression. I also used Google Collab for collaborative development.

## ACHIVEMENT

1.Active member of the eco club (OKIOS) Took part in various cleanliness drive, reusable waste drives and E waste drives. One of the major examples is Plastic Clean-up Drive in (KALI TIGER RESERVE).
2.Photographer for NATYRA (A Handbook on Flora and Fauna) of BMSIT&M.