

# ANKITH

7975308246 | [ankith15bhandary@gmail.com](mailto:ankith15bhandary@gmail.com) | Bengaluru, Karnataka

Github: <https://github.com/Ankith15>

linkedin: [www.linkedin.com/in/ankith-bhandary-642918240](https://www.linkedin.com/in/ankith-bhandary-642918240)

## Profile:

Passionate Data Analyst with a strong foundation in Analytical tools, machine learning and statistics. Experience includes working with projects on data driven usecases Using business intelligence tools like Power BI, Microsoft Excel, SQL and Python. I would like to contribute my skills and knowledge and continue my journey in the dynamic field of data Analytics.

## Professional Experience:

12/2023 – 02/2024

Data Analyst Intern, Bosch India Limited

Bidadi Ramnagara, Karnataka, India

- Model Building for Feed Pump-ML Project: Conducted exploratory data analysis (EDA) using Python libraries (NumPy, pandas, seaborn, Matplotlib) and built a machine learning model with an accuracy of 98%. The project focused on analyzing the first three stages of product testing to predict the final stage outcome, aiming to eliminate the need for the final stage in production.
- Calibration VT Analysis: Led the analysis of value time in the calibration bench of Fuel Injection Pump. Implemented data preprocessing steps and created a Power BI dashboard to visualize and compare the given value time with the actual average, resulting in reduced value time and improved calibration efficiency.
- Pump Traceability Report: Developed a traceability system for station-wise product updates. Extracted data using SQL and applied conditional formatting in Power BI to monitor product status, enabling effective rerouting for defect clearance, which enhanced product tracking efficiency.
- Contributed to the development of machine learning models and utilized Power BI for generating business insights to support decision-making.

## Projects:

### Candidate Matching Recommendation System, [Github](#)

- Implemented data preprocessing techniques to clean and prepare resume text for analysis.
- Utilized TF-IDF vectorization to convert text data into numerical format suitable for machine learning models.
- Trained a machine learning model, using classifiers like K-Nearest Neighbors, for multi-class classification of resumes into job categories.
- Developed a Streamlit app that allows users to upload resumes and receive job category predictions.

### Loan Approval Prediction System, [Github](#).

- Conducted data preprocessing, including handling missing values, encoding categorical variables, and feature scaling.
- Employed exploratory data analysis (EDA) to identify significant features impacting loan approval.
- Trained and optimized various machine learning models, such as Logistic Regression, Decision Trees, and Random Forest, to achieve high predictive accuracy.
- Developed a user-friendly Streamlit application that allows users to input applicant data and receive loan approval predictions.

### Telangana State Govt Vehicle Data Report, [Power bi](#).

- Collected and cleaned vehicle data to ensure accuracy and relevance.
- Created a comprehensive Power BI report to visualize key metrics and trends, including vehicle sales With respect to type of vehicles in terms of fuel and other.
- Implemented interactive dashboards and visualizations to allow users to drill down into specific details.
- Published the report on Power BI Service, enabling easy access and real-time updates for government officials.

### Decoding Player Performance in Cricket, [Github](#).

- Utilized survival analysis and multivariate techniques to examine the performance of both bowlers and batsmen over the years.
- Conducted a detailed analysis of individual player statistics to assess their consistency, longevity, and impact in various matches.
- Implemented Python libraries to process and analyze player data, generating insights on their mean performances.
- Provided conclusions based on the comprehensive analysis, highlighting key trends and patterns in player performance.

## Skills

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### Programming languages :

Python

### Machine learning algorithms :

Linear regression, Logistic regression, Decision tree, Random forest, XGBoost

### Deep learning algorithms :

ANN, CNN, RNN

### Computer Vision :

Image Classification, Image Segmentation, OpenCV

### Database:

MySQL

### Other:

Tensorflow, Collaborate, Data Processing, Data Visualization, Data Visualization Tools, Implementation.

## Education:

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Jain(Deemed To Be) University | Bangalore, Karnataka

**MSc Data Science and Analytics |**

**2022 - 2024**

St Aloysius College(Autonomous) Mangalore | Mangalore, Karnataka

**BSc(EcSM) |**

**2019 – 2022**