

Prerana Nale

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EDUCATION

Sanjivani College Of Engineering , Kopargaon Bachelor of Technology (Information Technology)	Jan 2022 - Jun 2025 GPA: 3.0
Sanjivani College Of Engineering , Kopargaon Diploma in Mechatronics	Jan 2020 - Dec 2022 GPA: 3.3

SKILLS

Functional :	Collaboration and Teamwork, Problem-Solving & Analytical Thinking , Communication & Teamwork
Technical :	Python, Machine Learning, NLP
Tools & Framework :	Tableau, PowerBI, Excel, VS Code, Jupyter Notebook
Libraries :	Pandas, Numpy, Scikit-learn, Tensorflow, Matplotlib, Seaborn, Spacy, sklearn

PROJECTS

Predictive Maintainanace for Industrial Equipment -

- The predictive maintenance project leverages IoT sensors and machine learning algorithms to monitor industrial equipment's health in real-time.
- By analyzing data patterns, it predicts potential failures and alerts operators before issues occur.
- The system integrates with Telegram, sending instant notifications and alerts to the team via messages if any malfunction or abnormal behavior is detected, ensuring timely interventions and minimizing downtime.

Inventory Management and Invoice Generation System -

- The Project was a sponsored project for Shri Ram irrigation, in this project we generated reports and invoice of the purchases of the customers as well as the purchases made by the seller himself.
- Benefited a user base of over 250 individuals, enhancing operational efficiency, reducing errors, and facilitating data-driven decision-making.

Heart Disease Prediction Using Machine Learning -

- Developed a desktop software for heart disease prediction using Python and Tkinter. It analyzes 14
- input parameters (e.g., gender, age, blood pressure) from users and applies machine learning
- algorithms like Random Forest, Logistic Regression, and Naive Bayes on a preprocessed Kaggle
- dataset.)

PowerBI COVID-19 Dashboard -

- A COVID-19 Dashboard is an interactive tool that visualizes real-time data on cases, recoveries, deaths, and vaccinations using maps, charts, and statistics.
- It helps governments and individuals track the spread, analyze trends, and make informed decisions.

Long-Term Deposits subscriptions prediction using Machine Learning -

- To build a classification model that predicts the potential good customers on the insights provided by customer to enhance the business capability with approaching eligible customers on various financial attributes.

ACHIEVEMENTS

- First Prize in National Level Project Competition(TechnoFest),Nashik
- NPTEL: Database Management System
- NPTEL: E-Business
- Defence Guru Cyber Education Institute- Introduction to Data Science
- Infosys Springboard: Basic of Data Science
- Infosys Springboard: Introduction to Machine Learning
- Great Learning: Microsoft PowerBI
- Infosys Springboard: Basic of Python
- Great Learning: Introduction to Data Analytics