

Bhagya

Data Analyst

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SUMMARY

Passionate and skilled developer with expertise in Python, data analysis, and interactive dashboard development. Experienced in building predictive models and visualizations to provide actionable insights from real-world data. Strong problem-solving skills with a focus on delivering data-driven solutions

PROJECTS

COVID-19 Symptom Checker & Hospital Booking System [Link](#)

- Built a multi-page web application using Streamlit for real-time **COVID-19 symptom assessment** and **hospital appointment booking**.
- Designed a symptom risk scoring system that classifies users based on a **50% threshold**, offering **home care or hospital consultation recommendations**. Developed a hospital booking system with support for **multiple hospitals, time slot selection, patient data capture**, and confirmation receipts.
- Maintained a clean and intuitive **UI using Streamlit widgets** for symptom input, scheduling, and user navigation.
- Enhanced user experience through **input validation, error handling, and contextual guidance** throughout the assessment and booking workflow.

Cricket Outcome Predictor [Link](#)

- Built an **AI-based cricket match outcome predictor** using machine learning to forecast match results from team, venue, and historical data
- Developed an **interactive Streamlit dashboard** with match analytics, team comparison, player stats, and live-style visualizations
- Implemented a **complete ML pipeline** including data preprocessing, feature engineering, model training, evaluation, and inference using **Python, Pandas, NumPy, and scikit-learn**
- Designed a **modern, responsive UI** with smooth animations and interactive charts to deliver an engaging user experience

Real-Time Disaster & Weather Analytics Dashboard [Link](#)

- Analyzed **real-time weather and disaster data** to identify risk patterns, severity trends, and region-wise impact using interactive dashboards
- Cleaned, transformed, and combined **live API data and historical datasets** to ensure accurate and reliable analytics for decision-making
- Built **interactive visualizations and KPIs** using Plotly to track disaster frequency, weather intensity, and high-risk areas
- Generated **actionable insights and risk classifications** to support data-driven monitoring and early warning analysis

Financial Analytics Dashboard [Link](#)

- Built a **financial analytics dashboard** by cleaning and processing **40K+ real-world financial records** to ensure accurate and reliable data
- Developed **interactive dashboards** using **Flask and Plotly** to analyze expenses, credit risk, and fraud with real-time insights
- Applied **machine learning (Random Forest)** to predict fraud and credit risk, achieving **94% accuracy** using engineered features and model evaluation metrics
- Delivered a **scalable and tested application** with proper error handling and clear documentation for real-world deployment

SKILLS

Programming Languages Python, JavaScript

Data Analytics PowerBI, Streamlit, Excel, Statistics, NumPy, Pandas, Scikit-learn, Matplotlib

Backend & Database Flask, RESTful API, JWT Auth, SQL, PostgreSQL, MongoDB

DevOps & Tools Git, Github, Render, Netlify, Vercel, Postman

EDUCATION

B.E in Information Science Engineering, MVJ College of Engineering (GPA: 8)

Dec '21 — Jun '25

PUC in PCMB, SLV PU College (GPA: 76%)

Jun '18 — Mar '20

SSLC, Sri Basaveshwara School (GPA: 79%)

Jun '17 — Apr '18

CERTIFICATIONS

[Responsive Web Design](#), freecodecamp

May '24