

BALAGOUDA DESAI

CONTACT DETAILS

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CORE COMPETENCIES

- Data Preprocessing
- Exploratory Data Analysis (EDA)
- Machine Learning Algorithms
- Model Evaluation & Validation
- Predictive Modeling
- Software Development
- Power BI Reporting
- Data Visualization
- SQL Query Optimization
- AI Model Development
- Version Control (Git)

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C++, PHP, JavaScript
- Data Analytics & Machine Learning:** Pandas, NumPy, Matplotlib, Scikit-learn, Power BI
- Web Development:** Flask, HTML, CSS
- Databases:** SQL, MySQL
- Tools & Platforms:** Jupyter Notebook, VS Code, Git/GitHub
- Operating Systems:** Windows, Linux
- Networking & Security:** TCP/IP, WLAN, Cyber Security (Basics)

EDUCATION

- MCA – Visvesvaraya Technological University, Belagavi | 83% (2023-2025)
- BCA – SJPN Trust's BCA College, Nidasoshi | 77% (2020-2023)

SOFT SKILLS

- Strong Communication
- Self-Motivated & Quick Learner
- Positive Attitude & Team Player
- Open-Minded & Adaptable

JOB OBJECTIVE

Aiming to contribute skills in data analysis, machine learning, and AI development to real-world projects. Seeking roles in AI/ML, Data Engineering, or Data Analytics where I can build intelligent, data-driven applications, support development activities, collaborate with teams, and grow professionally in a dynamic environment.

PROFILE SUMMARY

- Data Analytics Intern with hands-on experience in data processing, analysis, and visualization using **Python (Pandas, NumPy), Power BI, and SQL**, with a track record of optimizing workflows and reporting for business impact.
- Proven **expertise in machine learning techniques**, including Random Forest and KNN, demonstrated through projects like crop yield prediction and AI for cybersecurity threat detection, with a focus on model accuracy and real-world application.
- Strong capability to build interactive dashboards and visual reports**, presenting complex data insights clearly for decision-making, and leveraging Power BI and Matplotlib for effective data visualization.
- Solid understanding of **AI model development and deployment**, with experience creating Flask-based applications to integrate machine learning models into real-time user applications.

CERTIFICATIONS

- Power BI Job Simulation** – PwC Switzerland (Forage) | Sep 2024
- Cyber Security Virtual Program** – MasterCard (Forage) | Dec 2024
- Data Analytics using Python** – Leosias Technologies | Jan 2025
- Software Testing** – NPTEL | Jul 2024 – Oct 2024.

INTERNSHIP

Data Analytics Intern | Leosias Technologies | Nov 2024 – Jan 2025

- Analyzed large datasets using Python libraries** such as Pandas and NumPy, delivering actionable insights and driving data-informed decisions.
- Developed **interactive Power BI dashboards to monitor KPIs and visualize trends**, enhancing reporting efficiency and stakeholder understanding.
- Optimized and wrote complex SQL queries to extract meaningful insights, streamlining data analysis processes and reporting accuracy.
- Created visually compelling reports with Matplotlib**, presenting key findings to clients and facilitating informed decision-making.
- Reduced data processing time by automating & streamlining workflows using Pandas and NumPy.
- Built interactive **Power BI dashboards to visualize KPIs** & improve decision-making efficiency.

PROJECTS

AI for Cyber Security Threat Detection

- Built a Flask-based web application** to detect malicious files and URLs using **ML models** (Random Forest, Logistic Regression) integrated with **Gemini AI**. **Developed** features like **user login, scan history, and auto-alert emails** to enhance security.
- Tech Stack:** Python, Flask, Scikit-learn, SQLite, HTML/CSS, Gemini API

Crop Yield Prediction – Data Analytics with Python

- Created ML models using Random Forest and KNN** to predict crop yields and rainfall with **99.98% accuracy**.
- Performed** data preprocessing, model training, and visualization for actionable insights.
- Tools:** Python, Pandas, NumPy, Matplotlib, Scikit-learn

Automatic Pet Feeder – IoT Mini Project

- Developed an Arduino-based automated pet feeder** using **ultrasonic sensors and servo motors**, optimized for low power and real-time detection.
- Tech Stack:** Arduino, C++, Sensors, Servo Motors

Online Electric Vehicle Recharge Booking System

- Designed** a web application for **real-time EV recharge bookings**, enabling users to locate and book recharge stations instantly.
- Tools:** PHP, JavaScript, HTML/CSS, MySQL