BATAKALA DILLESWARA RAO

Python developer

✉ btkdillip7989@gmail.com

📞 9535377989

📍 Bangalore

📅 2nd August 1998

🧠 SKILLS

Python,datastructures

Data Analysis Libraries
(NumPy, Pandas, Matplotlib, Seaborn, Sklearn)

SQL (ORACLESQL)

Data Analysis (Tools Excel, Powerbi)

Front end
(html,css,bootstrap,javascript)

Operation systems (windows, linux (Ubantu) , (shell scripting)

Frameworks (django restapi,flask)

platform tools (jupyter notebook, Googlecolab,spyder, pycharm,Atom,Vscode)

MEACHINE LEARNING
(Linear ,Logistic regression,Decision tree SVM ,Naive Bayes ,KNN ,K-means,Random forest , Dimensionality reduction,Gradient boosting and AdaBoosting algorithm)

DEEP LEARNING
(ann,cnn,opencv,nlp)

Repository (git,github)

AWS CLOUD
(ec2,ebs,elbs,vpc,lb,as,s3,route53,cw, dynamo db,rds,sns))

🪪 PROFILE

I'm a dedicated Python developer with over 2.3 years of hands-on experience in creating software solutions. My passion lies in leveraging Python's power to build efficient and robust applications.I'm well-versed in Python and its libraries, allowing me to write clean,maintainable, and efficient code.I thrive on solving complex problems by breaking them down into manageable tasks and crafting elegant solutions.I have experience in web development using frameworks like Django and Flask, creating interactive and responsive web applications.Proficient in data manipulation, analysis, and visualization using libraries such as Pandas, NumPy, and Matplotlib.I possess excellent communication skills,making me an effective team player and collaborator.

📁 PROFESSIONAL EXPERIENCE

Project: "TallySync: Bridging Finance and Technology for Smart Data Insights" company: Syntax Tree Software Solutions Pvt Ltd tallyproject project we have done

Main Objective: The primary aim of our project, "TallySync," is to simplify financial data management by bridging Tally,apowerful accounting tool, with the user-friendly capabilities of Django.We want to make financial information easily accessible,structured, and insightful for businesses.Django helps us provide a user-friendly interface for Tally data. While Tally excels at finance management, Django adds an extra layer for users to access, analyze, and understand their financial data easily

Purpose and Use TallySync serves as a bridge between Tally and businesses,providing them with a more intuitive way to access and interact with their financial data.Users can generate reports, visualize data, and make informed decisions, all within the Django application

Key Components:

Vouchers: These are records of financial transactions, like invoices and receipts.

Accounts: Places where money is kept, such as bank accounts or cash registers.

Sales Data: Information about products or services sold, including prices and quantities.

Organization Details: Essential data about the business, like its name, address, and contact information.like this their so many labels are there Expense Records,Taxrecords,Inventory Data,Payroll Information,Financial tatements,AuditTrails,Bank Statements,Customer and Supplier Contracts,Debt and Loans,Investment Portfolio,Lease Agreements,Intellectual Property Records,Customer Feedback and Surveys,Supplier and Vendor Contracts,Environmental and Regulatory Compliance Records,Employee Records,R&D and Innovation Records,Marketing and Advertising Campaign Data,Product and Service Catalogs,Quality Control and Inspection

Data Fetching Process:

Data Extraction: We retrieve data from Tally using Tally's built-in export feature, which generates XML files.

Parsing XML:

We use Python's XML parsing libraries (like xml.etree.ElementTree) to read the XML data.These libraries help us navigate through the XML document, accessing elements and their attributes.

XML to JSON Conversion: We transform the XML data into JSON format using Python

EDUCATION

Graduation (B.sc)
ADITYA DEGREE COLLEGE

2016 – 2019 | VIZAG, India

INTERMEDIATE
KSJC(mpc)

2013 – 2015
SRIKAKULAM, India

SECONDARY SCHOOL OF EDUCATION
MVN

2013 | SRIKAKULAM, India

ACHIEVEMENT

KAGGLE
Under 5%, ranker in Kaggle data science competition

CERTIFICATES

IIT MADRAS THROUGH INTELLIPAAT
IN DATASCIENCE

NASSCOM CERTIFICATION
IN DATASCIENCE

LANGUAGES

English

Telugu

Hindi

scripts. JSON is more structured and easier to work with.
Reformatting to JSON:As we read data from the XML, we create corresponding JSON structures.
For each XML element, we create a JSON object or array, depending on the datastructure.We map XML attributes to JSON object properties.
Structured Data: After conversion, the JSON data is well-organized and ready for analysis and reporting.User Interaction and Benefits:View Financial Data,Generate Custom Reports,Visualize Data,Data-Driven Decision-Making
Technologies and Tools: Python,Django,tally,oraclesql,xmland json
Role and Responsibilities: Establishing a secure and reliable connection with Tally for data extraction.Developing Python scripts to convert XML data into structured JSON.Ensuring the smooth operation of the Django-based web application, enabling users to interact effectively with their financial data.

Project Title: RealEstatePro - Transforming Property Management Client:realco

Main Objective:property management and real estate investments. This innovative Python-based application leverages cutting-edge technologies to provide users with comprehensive insights into various types of properties, from flats and individual houses to urban and rural properties.
Property Management: Users can efficiently manage and track their property portfolios,facilitating better decision-making.**Real-Time Data:** Access to real-time property data, market trends, and analytics for informed investments.
Property Predictions: Advanced algorithms predict property values and rental income.
Property Insights: Comprehensive insights into property features, amenities, and locations.
Streamlined Transactions: Facilitation of property transactions, including buying,selling, and renting.
Creating the Project:Data Collection: We gathered a vast dataset of property information, including property types, locations, sizes, prices, and historical transaction data.
User Interface: A user-friendly web application was built using Django, allowing users to interact with the data and receive property recommendations.
Data Analysis: We analyzed property data to understand market trends, property values,and rental income in different areas.Property features, such as the number of bedrooms,amenities, and location, were evaluated to determine their impact on property prices.Importance Given to Property Types:RealEstatePro recognizes the significance ofvarious property types:Flats Insights into apartment complexes, condominiums, andmulti-unit residential properties.Individual Houses Information about standalone homes with varying sizes and features.Urban Properties Analysis of properties located in city centers or densely populated areas.Rural Properties Insights into properties situated in rural or suburban regions.**Predictions:Property** value predictions are made based on historical data, market trends,and property attributes.Rental income predictions help investors make informed decisions about potential rental properties.
Technologies Used:

Python: Utilized for data analysis, machine learning, and backend development.Django: Used to create the web application's backend and user interface.Machine Learning Libraries: Scikit-Learn, TensorFlow, and XGBoost for building prediction,Data Visualization Tools: Matplotlib and Seaborn for visualizing property trends.**Roles and Responsibilities:**

As part of the RealEstatePro team, responsibilities included,Data collection and preprocessing.Developing prediction models.Creating the web application using Django.