

YPRAVEENKUMAR REDDY

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Professional Summary:

I'm a versatile technologist with 6 years of experience specializing in Python and its ecosystem. My skill set spans across web development, data analysis, data engineering, automation, and machine learning enabling me to build robust, scalable, and intelligent solutions across diverse domains.

Professional Experience:

28-OCT-2025 -Now | Infosys Limited
14 Months

Automyx:

Automyx is an intelligent workflow automation and text-analysis system designed to understand and optimize multi-step activities within a project. It automatically analyzes logs, extracts meaningful insights from text, identifies the methods used during task execution, and detects errors with high accuracy. By combining Python automation, machine learning, and NLP-based text analysis, Automyx reduces manual effort, accelerates debugging, and provides teams with a clear view of operational patterns and bottlenecks. The system enables smarter decision-making, improves efficiency, and enhances overall productivity across projects.

WebEx Summarization:

The WebEx Video Summarization to PDF system provides an intelligent and automated way to convert recorded WebEx meetings into structured, easy-to-share PDF summaries. The system extracts the meeting's transcript, identifies key discussion points, highlights decisions, captures action items, and produces a concise, readable summary. It also supports attaching or linking the original meeting video within the PDF for quick reference.

By combining speech-to-text transcription, natural language processing, and automated PDF generation, this solution eliminates the manual effort of reviewing long meetings and manually preparing minutes. It ensures faster knowledge transfer, improves team productivity, and enables accurate record-keeping for any organization that relies on online meetings and discussions.

Time-Series Analysis:

The Time Series Analysis of Job Runtime Information project focuses on analyzing historical execution data to understand performance patterns, identify anomalies, and predict future job runtimes.

With accurate runtime forecasting, teams can proactively prevent job failures, balance workloads, and ensure smoother, more predictable system operations. The insights gained from time-series modeling enhance reliability and operational visibility, making it a powerful tool for performance monitoring and automation environments.

PROFESSIONAL EXPERIENCE

04-January-2021 - 25-OCT-2024 | Pragma Edge software services.3.10Months

During this time, I have the opportunity to work on the below projects.

Jarvis

- Developed multiple Python scripts to extract data from various databases.
- Implemented data transmission to Elasticsearch based on scheduled time intervals.
- Ensured efficient data management and integration across systems.
- Developed full crud functionality enabling comprehensive data management within the application.
- Integrated third-party APIs for the collection of the Metrics of the GCP and IBM Cloud into the flask
- Executed data migration scripts to support application upgrades and changes.
- Established robust error handling mechanisms to manage exceptions and enhance user experience.
- Employed Pandas for data cleaning and pre-processing, enhancing data quality before sending it to the database.
- Leveraged Pandas' capabilities to perform complex data transformations, ensuring compatibility with database schemas.

DPML

This project involves the validation and transformation of millions of data points, which are then transmitted to multiple endpoints as received from a messaging system. Build Django rest API to reprocess the data in between the validation process.

- Rest API consumes the data from the messaging system and proceeds validation steps and sends the data to the endpoints.

FileGps

FileGPS is an End-to-End file monitoring software that enables the organizations to capture, collect, enrich and aggregate file events to track and trace files.

- RESTful APIs using Django's REST framework to track the filesystem.
- Engineered RESTful APIs to automate alert categorization, which resulted in a 50% decrease in manual processing time; system now handles over 1,000 alerts daily with improved accuracy and speed.
- Engineered alert management system.
- Engaged APIs for the MANAGEMENT of Business Group.

CORE SKILLS

Python, Machine Learning, Angular

Frameworks: Django, Flask API.

Databases: Sql, Oracle, Db2, Elastic Search, PostgreSQL.

Version Control: Git, Bitbucket, Azure.

Monitoring and Visualization: Superset, Grafana, Kibana.

Messaging System: Kafka

Operation System: windows, linux, Mac