Narasimharao Bhavirisetty

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Professional Summary

Results-driven Python Developer with 1.5+ years of experience building real-time data pipelines, event-driven systems, and backend automation. Proficient in Python, Kafka, ClickHouse, Redis, PyFlink, and REST APIs. Experienced in blockchain data processing, stream processing, and machine learning workflows. Solid knowledge of SDLC, debugging, and production support.

Skills

- **Languages**: Python, Java
- **Frameworks**: Flask, PyFlink
- **Databases**: MySQL, MSSQL, ClickHouse, Redis
- **Concepts**: SDLC, REST API Design, Debugging, Production Issue Analysis, Version Control (Git)
- **Libraries**: NumPy, Pandas, Scikit-learn
- **Tools**: Git, Postman, VS Code
- **Other Skills**: Data Cleaning, Automation, Machine Learning Algorithms, Stream Processing
- **Event Streaming**: Kafka, Redpanda
- **Blockchain**: Solana, Pump.fun, Protobuf
- **Cloud**: AWS Basics

Professional Experience

Software Engineer **Spizen Technologies (CLR3 Ventures), Bangalore, India**
December 2025 – Current

- Built an end-to-end Solana token intelligence pipeline with multiple streaming jobs processing Pump.fun trade and graduation events through Kafka, ClickHouse, and Redis, tracking full token lifecycle from creation to graduation or death.
- Designed PyFlink streaming jobs with tumbling window aggregations to deduplicate high-velocity blockchain trade data across Kafka topics with fault-tolerant checkpointing.
- Built a wallet bot classification system using behavioral analysis to identify suspicious trading patterns, improving platform integrity and investment signal quality.
- Engineered a real-time composite coin scoring engine that processes every swap event, incorporating wallet quality, token quality, and market density signals to emit live investment signals.

Software Engineer **Algonox Technologies Pvt Ltd, Hyderabad, India**
September 2024 – December 2025

- Built automated email notification system for file queue transitions and failure alerts, improving SLA compliance.
- Implemented complex business rules to clean and validate noisy data, boosting data extraction accuracy by 40%.
- Designed automated KPI reporting system to track extraction accuracy and manual intervention rates, enabling data-driven performance improvements.

- Developed User Dormancy Management Module with scheduled tasks to manage user lifecycle states based on inactivity thresholds, enhancing security and access control.

Education

Bachelor of Technology in Computer Science **Tirumala Engineering College, Narasaraopet**
January 2021 – May 2024 SGPA: 7.86 | Percentage: 74.67%

Intermediate (MPC) **Bhavana Junior College, Narasaraopet**
June 2018 – March 2020

Secondary School Certificate **Sindhu High School, Narasaraopet**
June 2017 – March 2018

Personal Projects

Predicting Airline Ticket Prices Using Machine Learning *Python, Scikit-learn, Pandas, NumPy*

- Built a regression-based model using Scikit-learn to forecast airline ticket prices based on travel data.
- Performed data preprocessing, feature engineering, and model evaluation, achieving low Mean Absolute Error (MAE).
- Presented key pricing insights and visualizations to guide strategic decisions.

Certifications

- Cloud Computing, NPTEL
- AI and Machine Learning, Amazon Web Services (AWS)

Interests

- Problem Solving & Automation
- Economics, Business & Finance
- AI Innovations & Tech Trends