AKHILA BENDRAM

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PROFESSIONAL SUMMARY:

Python Developer with **4+ years of experience** designing **scalable backend systems**, **data pipelines**, and **cloud-native applications** across telecom and enterprise environments. I specialize in building **REST APIs**, automating **ETL workflows**, and developing **distributed data processing** solutions using **Python**, **Django/Flask**, **Airflow**, and **PySpark**. Strong hands-on expertise with **AWS** and **Azure** cloud services, **containerized microservices** (**Docker**, **Kubernetes**), and **CI/CD automation**. I am known for delivering **clean, efficient engineering**, optimizing **performance**, and collaborating with cross-functional teams to ship **reliable, production-grade solutions**.

PROFESSIONAL EXPERIENCE:

Python Backend Developer — Verizon, Irving, TX.
March 2025 – Present.

- Built and optimized REST APIs using Django/Flask, improving backend reliability and scalability
- Developed Airflow DAGs and PySpark pipelines, reducing data processing time by 35%
- Containerized services using Docker and deployed on Azure Kubernetes Service (AKS)
- Automated event-driven tasks using Azure Functions + Logic Apps
- Integrated Pandas/NumPy workflows for analytics, validation, and transformations
- Designed Spark SQL jobs for large-scale ETL performance optimization
- Delivered Tableau dashboards for KPIs and operational monitoring
- Used AWS Boto3 for metadata tracking, file operations, and system automations
- Implemented CI/CD workflows with Jenkins, improving release stability

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Junior Software Developer — Cognizant Technology Solutions, Hyderabad.
Jan 2022 – July 2023.

- Developed end-to-end modules using Python, Django, AngularJS, JavaScript
- Built ETL pipelines using GCP Airflow and Databricks (PySpark)
- Migrated databases (SQLite → MySQL → PostgreSQL) with zero data loss
- Created REST APIs using Django REST & Flask
- Optimized SQL queries and performed CRUD ops across relational databases
- Automated workflows using Pandas, NumPy
- Deployed microservices on AWS EC2 with Docker

Associate Python Developer — Wavelab Technologies, Hyderabad.
Jan 2020 – Dec 2021.

- Developed backend modules using Django/Flask for automation systems
- Designed REST APIs for ingestion, cleaning, and transformation
- Built ETL scripts using Pandas & NumPy for internal dashboards
- Wrote Pytest/Unit Test suites for validation
- Supported DevOps workflows using Jenkins and Git
- Built UI components with HTML/CSS/JavaScript for IoT metrics

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EDUCATION:

- **Master of Science – Big Data Analytics & Information Technology**
- University of Central Missouri, Warrensburg, MO — 2023–2024

- **Bachelor of Technology – Electrical & Electronics Engineering**
- CVR College of Engineering, Hyderabad, India — 2018–2022

PROJECTS:

- **Skillfox** — Python, Fast API, OpenAI, Next.js
  Built an AI-driven resume-JD matcher with ATS scoring, recruiter summaries, keyword extraction, and automated bullet rewriting.

- **Perspectiv Data Explorer** — Python, React, ECharts
  Developed a smart CSV-to-insights engine that auto-generates charts, detects patterns, and provides AI-powered narratives.