

Kanupriya Goyal

Python Developer | +91 9528526768 | kanupriyagoyal2k9@gmail.com | www.linkedin.com/in/kanupriyagoyal2k9

Experience Summary:

Python Developer with 5+ years of experience specializing in banking data platforms, including MVM architecture, Airflow, Jules, Spinner, and Databricks Workflows. Strong expertise in Python, SQL, and Databricks for building scalable, automated data pipelines. Additional experience in US Healthcare analytics, HIPAA-compliant solutions, Power BI, and SAS-to-Python migration.

Professional Skills:

- **Programming:** Python, Flask, Django, FastAPI, Pandas, NumPy, Scikit-learn, Jupyter
- **Cloud & DevOps:** Azure, Azure DevOps, CI/CD, Docker, GitHub, Databricks, Databricks Workflows, Apache Airflow, MVM Architecture, YAML-based Configurations
- **Databases:** SQL, MySQL, PostgreSQL
- **Data Engineering & Pipelines:** ETL, ELT, Banking Data Platform, Multi-View/Modular Architecture (MVM), Airflow DAGs, Jules Pipelines, Spinner Jobs, Environment-Specific YAML Configurations
- **Data & Analytics:** Power BI, Matplotlib, Plotly, Machine Learning, Regression Analysis
- **Methodologies:** Agile, Scrum, SDLC, Automation
- **Healthcare Standards:** HIPAA, FHIR, Smile CDR, EDI, HL7
- **Tools & Documentation:** Jira, Confluence, Git/GitHub, Cloud Wiki, KB articles.

Projects:

Project 1: Claims Migration (SAS → Python, Databricks)

- Analyzed and converted SAS-based SSI claim logic into Python/PySpark for scalable processing.
- Deployed and orchestrated the end-to-end workflow using Databricks Jobs with parameterized configurations.
- Achieved 100% validation accuracy and significantly improved performance compared to SAS-based execution.

Project 2: Data Reconciliation Automation (Airflow, Databricks, YAML – Banking System)

- Developed and maintained Airflow DAGs to automate reconciliation processes across multiple Systems of Record (SORs) within banking platforms, ensuring data accuracy and operational efficiency.
- Migrated Airflow DAGs from Amazon EKS-based deployments to Amazon MWAA (Managed Workflows for Apache Airflow), enabling improved scalability, maintainability, and managed orchestration.
- Built Databricks notebooks and SQL-based validation frameworks to reconcile and compare datasets across ingestion, processing, and consumption layers, ensuring end-to-end data integrity.
- Created YAML-driven configuration frameworks to dynamically manage regional parameters, SOR-specific metadata, and job settings, enabling reusable and scalable pipeline implementations.
- Implemented modular task groups, reusable operators, tagging standards, and enhanced observability mechanisms in Airflow DAGs to improve pipeline governance and monitoring.
- Automated mismatch detection, reconciliation report generation, and email alerting mechanisms to enforce data quality, auditability, and compliance across banking data pipelines.
- Performed comprehensive regression testing and validation of migrated workflows and reconciliation logic to ensure functional consistency, data accuracy, and production readiness after enhancements and platform migrations.
- Collaborated with cross-functional teams to troubleshoot pipeline failures, optimize workflow performance, and support release activities across Dev, QA, and Production environments.

Education: Project SRF (IITDelhi); M.Tech (Banasthali Vidyapeeth Rajasthan) ; B.Tech. (UPTU Lucknow)

Professional Experience Summary:

Date	Company	Position
Oct 2024 to Present	Accenture	Senior Analyst
July 2024 to Dec 2025	DIT Dheradun	Visiting Faculty
June 2024 to September 2024	Bebo Technologies	Senior Software Engineer
Nov 2023 to March 2024	Tribola Tech (Majesco)	Lead Engineer
May 2023 to Aug 2023	Logic Loom	Senior Software Developer
Aug 2022 to Mar 2023	Infinite Computer Solutions	Senior Software Engineer
Jan 2020 to Aug 2022	Osho Industries	Data Analyst
Jan 2018 to Dec 2019	IIT Delhi	Project Assistant (Tech.)
Apr 2012 to July 2015	MIT Meerut	Assistant Professor
June 2010 to Feb 2012	BSACET Mathura	Assistant Professor

Professional Experience :

1. Accenture | Senior Analyst | Oct 2024 – Present

- Designed and maintained Power BI dashboards for membership summary and CBAS tables.
- Converted Python scripts to Databricks pipelines for CBAS SCAL, CBAS NCAL, and FQHC.
- Migrated SAS code to Python for SSI claim data, ensuring HIPAA compliance.
- Collaborated with cross-functional teams to optimize workflows, improving efficiency and accuracy.
- Worked on Brie AML process to reconcile data between the Ingestion Layer and Lakehouse Layer
- Developed SQL queries to validate and compare datasets across layers
- Executed data processing and reconciliation jobs using Databricks
- Built and scheduled Airflow DAGs for automating ETL and reconciliation workflows
- Created and managed YAML configuration files for dynamic job and pipeline setup

2. DIT University, Dehradun | Visiting Faculty (Python & DBMS)|Jun 2024-Dec 25

- Taught **Python Programming** and **Database Management Systems (DBMS)** to BCA/B.Tech students.
- Designed **course content, assignments, quizzes, and lab exercises** for beginner-level students.
- Guided students in developing **hands-on programs, SQL queries, and problem-solving skills**.
- Conducted **theory and lab sessions**, focusing on practical learning and real-world examples.

3. Bebo Technologies | Senior Software Engineer | Jun 2024 – Sep 2024

- Developed an autonomous intelligent agent using Gemini API to enhance automation and data processing.
- Implemented FastAPI for efficient communication with external systems.
- Integrated advanced features to improve decision-making accuracy and system performance.

4. Tribola Tech (Client: Majesco) | Lead Engineer | Nov 2023 – Mar 2024

- Utilized PRASE for real-time data analysis and claims system testing.
- Managed version control with SVN and deployed apps on Tomcat servers.
- Collaborated across teams for requirement gathering and solution design.

5. Logic Loom | Senior Software Developer | May 2023 – Aug 2023

- Engineered PostgreSQL integration for efficient healthcare data storage and queries.
- Developed interactive dashboards using Plotly for real-time insights.
- Implemented Kafka-based log analysis for stable data processing.

6. Infinite Computer Solutions | Senior Software Engineer | Aug 2022 – Mar 2023

- Built Python apps for EDI file testing in Molina Healthcare (HIPAA compliance).

- Implemented CI/CD pipeline on Azure DevOps and containerized deployments with Docker.
- Designed Flask dashboards for real-time encounter data using Smile CDR.

7. **Osho Industries | Data Analyst | Jan 2020 – Aug 2022**

- Developed web applications with Django's Model View Template architecture.
- Conducted data collection, cleaning, extraction, and sentiment analysis using Jupyter Notebook.
- Utilized Python libraries such as BeautifulSoup, NumPy, Matplotlib, TwitterAPI, SciPy, and Pandas for data processing.
- Applied supervised learning techniques like Regression analysis to identify variable relationships.
- Wrote SQL queries using MySQL Server for relational database management.

8. **IIT Delhi | Project Assistant (Tech.) | Jan 2018 – Dec 2019**

- Conducted Big Data Analysis on Twitter data regarding digital payments and telecom services using SERVQUAL framework.
- Applied machine learning with scikit-learn for advanced data analysis.
- Published three research papers on social media analytics.
- Coordinated a workshop on "Analyzing Big Data in Twitter: Digital Payments and Telecommunication".
- Leveraged R and SPSS for qualitative analysis.

9. **Meerut Institute of Technology, Meerut | Assistant Professor | Apr 2012 – Jul 2015**

- Taught Artificial Intelligence, Data Structures, and Software Development.
- Conducted research and guided dissertation projects, supporting publications.
- Mentored students and actively engaged in professional development activities.

10. **BSACET Mathura | Assistant Professor | Jun 2010 – Feb 2012**

- Taught Java and Software Project Management.
- Designed lesson plans and lab exercises across three semesters.
- Assessed student progress, graded assignments, and provided constructive feedback.