

Results-driven Data Analyst, specializing in **Python development, ETL pipelines, and interactive dashboards**. Proven expertise in **building secure file processing systems, AI-powered interview bots, and predictive analytics models**

Technical Skills:

- **Programming & Databases:** Python, Flask, MySQL, Snowflake.
- **Data Analysis & Visualization:** Power BI, Microsoft Excel (Pivot Tables, VBA, Charts), Matplotlib, Seaborn, ETL, Predictive Analytics, Data Cleaning, Statistical Analysis, Predictive Analytics, Exploratory Data Analysis, Excel functions (IF, SUM, INDEX, MATCH, VLOOKUP), Microsoft word.
- **Backend Development:** OpenAI API (GPT-4), gTTS, Pydub, VAD (Voice Activity Detection), File Handling (PyPDF2, docx).
- **Frontend Development:** HTML, CSS, JavaScript, Speech Recognition API, File Upload.
- **Tools & Technologies:** jsPDF, API Integration, Logging, Error Handling, Audio Processing, Reporting.

Professional Experience:

Data Analyst: TechJar technologies PVT LMD Nov 2024 - Present  
Core Integra File Processing Portal

- **Built a secure file processing system** using **Python Streamlit and MySQL**, enabling
  - Multi-file uploads (PDF/Excel) with progress tracking.
  - Dynamic masking of sensitive data (PF, Bank, ESIC) with 2/4 configurable options.
  - Built an admin and client portal with capabilities for multi-file uploads, masking options, and batch processing
  - Ensured data compliance with industry standards (GDPR, VAPT) and implemented user authentication features.
- Implemented **role-based access (Admin/Normal User)** and GDPR-compliant encryption.
- Designed **real-time dashboards** in Power BI to track file processing metrics.

Interview Bot

- Developed an **AI-driven interview bot** using **Flask, GPT-4, and speech recognition**
  - Created a student-facing portal using **Flask and OpenAI GPT-4**, enabling interactive interview simulations.
- Built recruiter portal to monitor hiring metrics and automate reporting and student portal with **interactive dashboards** (Power BI) for performance analytics, utilizing **Snowflake** as the data storage backend for seamless integration and scalability.
  - Integrated real-time audio processing and file management features, enhancing usability and system functionality

Jetking

- Created **Power BI dashboards** for: Student performance tracking and Employee ticket resolution
- Performed **predictive analysis** on Jetking data to identify resolution trends.

Analytics Consultant: ETLhive Aug 2023 – Aug 2024

- Automated ETL workflows, improving data processing efficiency by **25%** and Built predictive models in Python, improving accuracy of insights by 25%.
- Developed Power BI dashboards, streamlining operational workflows and enabling data-driven decisions.

- Mentored students in Python, statistical analysis, and data visualization, maths, improving engagement by 20%.
- Designed Power BI dashboards for KPI tracking, enhancing insights for academic strategies

**Educator-Analyst: Space Foundation** Jan 2019 - Jan 2022

- **Implemented** Excel to track and analyse student performance data, identifying trends to drive targeted improvements in teaching and personalized learning strategies and and strategic decision-making for academic improvement.

**Projects:**

**1. Core Integra – Secure Document Processing System**

- **Key Contributions:**
  - Designed a user-friendly interface for batch uploads (PDF/Excel) with masking compliance.
  - Developed automated reconciliation files to highlight data mismatches.
  - Achieved **30% faster processing** via optimized MySQL queries.

**2. TechJar- AI Interview Bot with Dual-Portal Dashboards**

- **Key Contributions:**
  - Real-time speech-to-text analysis using VAD and gTTS.
  - Dynamic Power BI dashboards for recruiter analytics and student performance.

**3. Jetking - Data Analytics**

- **Key Contributions:**
  - 20% improvement in ticket resolution (employee portal).
  - Predictive models for student dropout risk (85% accuracy).

**4. ETLhive -Regional Sales Performance Analysis**

- **Key Contributions:**
  - Identified **25% growth in EV sales** in Northeast regions through trend analysis.

**Education:**

- **Master of Science:** Shivaji University, Kolhapur (Aggregate: 68%) Jun 2016-May 2018
  - Shivaji University statistics Teachers Association
- **Bachelor of Science:** Shivaji University, Kolhapur (Aggregate: 84%) Jun 2013-May 2016
  - Academic and Shivaji University Merit scholarship