Akshat A

Full Stack Developer, 4+ years experience
Indore, India
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Over 4 years of professional experience in software development with strong expertise in Python for data processing, workflow automation, and backend development. Proficient in validating, structuring, and optimizing JSON-formatted tasks for function-calling workflows, ensuring data integrity and consistency across projects. Hands-on experience building Python-based pipelines for data validation, dataset preparation, and quality assurance to support AI/ML-driven workflows. Solid knowledge of SQL for querying, cleaning, and managing large-scale datasets to ensure accuracy and reliability. Strong experience using Git/GitHub for version control, branching strategies, and collaborative development across distributed teams. Adept at documenting processes, enforcing quality standards, and implementing best practices in dataset preparation, validation, and automation workflows. Proven ability to collaborate with cross-functional teams, including AI researchers, to align data workflows with project goals and evolving AI requirements. Extensive background in Agile environments, actively contributing to sprint planning, code reviews, and iterative improvements in data workflows and automation pipelines.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• Python	4 years
• Django	4 years
• SQL	4 years
• React	3 years & 5 months
• CSS	3 years & 5 months
• HTML	3 years & 5 months
• Github	2 years & 5 months
• Context API	2 years
• Redux	2 years
• API Integration	2 years
• TypeScript	2 years
• React js	2 years
• JavaScript	2 years & 5 months

SOFT SKILLS

Problem-solving, Critical thinking, Communication

PROJECT DETAILS

• Agentic AI Dataset Validation

Project Description: Developed and deployed a robust Python-based pipeline for validating and structuring large-scale datasets used in training agentic AI systems. The pipeline ensured accuracy, consistency, and proper formatting of JSON function-calling tasks. Implemented automated checks for schema validation, missing values, and data integrity across multiple projects. Collaborated with AI researchers to align dataset preparation with evolving LLM requirements. Leveraged SQL for querying large datasets and GitHub for version control and collaborative workflow. The project improved dataset quality, reduced errors, and streamlined the overall data workflow for AI model training and evaluation

Responsibilities: Designed Python scripts to validate and preprocess training datasets. Structured and optimized JSON tasks for function-calling workflows. Implemented SQL queries for data cleaning and validation. Collaborated with AI teams to align datasets with agentic AI use cases. Maintained GitHub repository with version control and CI checks.

Technologies: Python, Pandas, JSON, SQL, GitHub

Industry: Software and Platforms

• AI Dataset Quality Monitoring

Project Description: Designed and implemented a monitoring dashboard for tracking dataset quality and integrity across multiple AI training projects. The system ingested large datasets, validated schema compliance, and generated real-time reports on errors, inconsistencies, and missing values. Leveraged SQL for querying and aggregating large-scale data while Python and Pandas handled preprocessing and validation. Built a user-friendly Streamlit dashboard to visualize dataset health metrics for AI researchers and data engineers. JSON was used to store validation rules and errors in a structured format. The solution improved transparency, accelerated debugging, and maintained strict quality standards for AI dataset pipelines

Responsibilities: Built Python scripts for dataset validation and monitoring. Designed SQL queries for error detection and quality checks. Developed a Streamlit dashboard for visualization. Structured validation rules and errors in JSON format. Worked with researchers to refine quality standards

Technologies: Python, SQL, Streamlit, JSON, Pandas

Industry: Software and Platforms

• Fleet Management System

Project Description: Live Vehicle Tracking: View vehicle progress through multiple operational stages using real-time location data. Vendor and Branch Management: Vendors can manage their assigned fleet under separate branches with defined permissions.

Responsibilities: Fleet Status Dashboard: Displays current state of all vehicles (e.g. approved, dispatched, at client site). Reports & Documentation: Generate and export vehicle and transaction reports. Role-Based Access Control: Different interfaces and controls for managers, branch leads, and vendors. Database: PostgreSQL for efficient data storage and queries. Integrations: Google Maps for location, and custom reporting with Django Admin.

Technologies: Django, React.js, PostgreSQL, REST API, Map APIs , AWS EC2

Industry: Software and Platforms

EDUCATION

• Bachelors degree in B.tech in CS from RGPV 2016 - 2020

LANGUAGES

• English - intermediate

END OF DOCUMENT
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