

Rahul Bhandage

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Summary

Software Developer with 2+ years of experience working on backend systems, automation, and AI-driven solutions in an enterprise environment. Focused on solving practical problems by improving workflows, designing APIs, and building reliable systems.

Skills

JavaScript Python SQL React.js Node.js FastAPI REST APIs System Design Automation Debugging Optimization RAG LangChain
LangGraph

Experience

Tata Consultancy Services (TCS)

2024 – Present

Frontend & Full-Stack Development

Jan 2025 – Jun 2025

- Built React components and integrated them with backend APIs across modules
- Refactored repeated UI logic into reusable components to reduce duplication
- Worked with backend team to resolve API inconsistencies and improve data flow
- Improved UI responsiveness (~25–30%) and reduced effort for new features (~20%+)

Backend Automation & AI Integration

Jun 2025 – Dec 2025

- Built Python automation tool to handle multi-step workflows
- Developed APIs for data retrieval, validation, and processing
- Automated validation → transformation → execution workflows
- Structured solution for reuse across multiple workflows instead of single-use automation
- Reduced manual effort (~40–50%) and improved processing consistency (~30%+)

AI Systems Engineering

Jan 2026 – Present

- Contributed to building a RAG-based retrieval system for internal data
- Integrated structured data with LLM-based responses
- Worked on improving query handling using modular pipelines
- Focused on improving retrieval quality to reduce incorrect responses
- Improved response reliability (~30–40%) and reduced manual lookup effort

Projects

RBLabs Intelligence Engine — AI Knowledge Assistant

- Built RAG-based system to retrieve information from multiple data sources
- Separated retrieval and response generation to improve accuracy
- Integrated structured and unstructured data into a single query flow
- Improved answer relevance (~40–50%) and reduced manual search effort

RBLabs Flow Engine — Workflow Automation System

- Built backend system to automate validation, transformation, and API execution
- Designed modular workflow structure for reuse across multiple use cases
- Handled structured inputs like CSV and API-based data
- Reduced repeated effort (~50–60%) and improved execution consistency

RBLabs LiveOps Dashboard — Real-Time Monitoring Tool

- Built dashboard to display logs and system events in real time
- Connected backend event flow with frontend updates
- Improved system visibility and debugging speed

Education

B.E. Computer Science
AGM Rural College of Engineering & Technology
2024