

Shivam Bhushan

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Summary

Software Engineer with experience building and operating backend services, data workflows, and internal developer platforms in production environments. Strong foundation in data structures and algorithms, with hands-on experience developing automation, authentication middleware, and AI-assisted tooling in Python and JavaScript. Currently working at Walmart Global Tech on large-scale workflow migration, platform reliability, and productivity tools supporting data and engineering teams.

Skills

Languages: Python, Java, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS

Data & Big Data Technologies: Apache Airflow, Google Cloud Dataproc

Cloud & DevOps: Google Cloud Platform (GCS, Dataproc, Airflow), Git, Docker, Kubernetes, CI/CD

AI & Automation Tools: Google ADK, LangChain

Experience

Walmart Global Tech, Bangalore

Jan 2025 – Present

Software Engineer

- Automated migration of thousands of DAGs across platform versions, reducing migration time from ~40 minutes per DAG to 15 minutes for 5 DAGs using **Python and cloud APIs**, improving overall efficiency and developer productivity.
- Developed a reusable Single Sign-On (SSO) middleware in Node.js that allowed new applications to integrate authentication by updating environment variables, reducing setup effort by ~80% and standardizing security practices across teams.
- Built an AI-powered low/no-code DAG creation platform enabling users to generate and deploy workflows through a conversational chatbot interface using **React, FastAPI, and Google ADK**
- Led organization-wide enablement for GitHub Copilot, conducting hands-on sessions for engineers and leadership teams. Authored setup and usage documentation, significantly increasing adoption across the data organization.
- Developed an ML-powered analytics assistant during Walmart's AI Hackathon that let business users query insights in natural language, significantly reducing decision-making time and empowering faster, data-driven actions.

IIT Madras, Chennai

Jan 2024 – July 2024

Research and Development Intern

- Designed and implemented a GUI using Electron, React.js, and Node.js for the Vessel Management System, **reducing dependency on multiple endpoints and streamlining operations**.
- Enhanced real-time communication between sailors and navigating officers by developing an app using React Native, Node.js, Express.js, and REST APIs for efficient data transmission.

Projects

AI Workflow & Analytics Platforms (Walmart Internal / Hackathon)

- Built AI-assisted systems that convert natural language into executable workflows and analytical queries.
- Focused on correctness, explainability, and safe execution in production environments.

Education

SRM Institute of Science and Technology

Sept 2020 – June 2024

BTech (Computer Science and Engineering)

Awards

Walmart - Bravo Award

[Link](#)

- Awarded for being one of the early adopters of GenAI within the team, and proactively contributing to automation tools from ground up.