

ADITYA

+91 9162592763 ✉ rajurajalala@gmail.com [in](#) Aditya Adi [G](#) Ignotus-21

Work Experience

Google

Apr. 2025 – Present

Software Engineering Apprentice

Gurgaon, India

- Project Plumber (GenAI Data Engineering Agent)
 - * Designed and developed Project Plumber, an AI agent using ADK to automate Dataproc, Dataflow, and dBT deployments via a Master Orchestration Agent and created a specialized GitHub Agent for repository management that reduces overall data pipeline deployment effort by 30%.
 - * Spearheaded the migration of the application from a standard GKE setup to a scalable, serverless Cloud Run architecture. Implemented a secure, multi-tenant deployment system capable of handling dynamic namespace creation for unique users
 - * Published and open sourced the project Plumber to the official Google `adk-sample` GitHub repository.
- Discovery & Design Agent (EDW Modernization)
 - * Developed the Discovery & Design Agent (DDA) to automate assessment and planning, significantly reducing manual architect upto 50%.
 - * Engineered multi-modal ingestion to convert unstructured notes and PDF reports into production-ready Technical Design Documents (TDDs).
 - * Implemented gap-detection logic to ensure design accuracy and published the agent to the Google Agent Catalog following enterprise-grade security standards.
 - * Implemented the application front-end to integrate multiple agents into a unified, high-performance user experience.

Education

Sri Venkateshwara College of Engineering

Nov 2020 – June 2024

Bachelor of Engineering in Computer Science and Engineering with Artificial Intelligence

CGPA 8.1

Projects

Educators Assistant | *Python, Next.js, React 19, TypeScript, MongoDB, Firebase, Gemini*

Oct. 2025

- * Led a team to architect a full-stack, multi-agent AI platform during the Google Apprentice Hackathon 2025, utilizing Next.js 15 and Gemini to automate administrative workflows and reduce teacher workload in India by 40%.

Eco-Quest | *Python, Kotlin, Digital Image processing, Machine Learning*

March 2023

- * Designed an innovative mobile app to gamify waste reduction and promote sustainable practices. Developed and implemented using machine learning models, Python for backend logic, and Kotlin for the Android user interface.

Resume Master | *Next.js, Node.js, MongoDB, Google Gemini API, LaTeX*

Dec. 2025

- * Architected a full-stack AI application to streamline professional data management and job tracking, featuring a dynamic engine that transforms user data into ATS-optimized LaTeX resumes.

CookPal | *Python, Streamlit, VertexAI, Clarifai Object Detection*

June 2024

- * Created a web app to combat food waste and improve user convenience. Leveraged the Clarifai object detection API for food recognition, VertexAI for training the dataset, and Streamlit for app deployment. Offers dual functionality through camera input and manual text entry for identifying food items.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, Javascript, SQL

Developer Tools: RESTful API, AZURE, CI/CD, DevOps, Docker, Kubernetes

Technologies/Frameworks: Google Cloud Platform(GCP), Git/Github, Model Context Protocol(MCP), Agent Development Kit(ADK), Vertex AI

Certifications

Google Cloud:Professional Data Engineer certification

Microsoft Certified:Azure Fundamentals AZ-900

Microsoft Certified:Azure AI Fundamentals AI-900

GitHub Copilot