

SAMUEL SHINE



Machine Learning & Backend Engineer with hands-on experience building production AI systems, data pipelines, and scalable APIs. Strong in Python, FastAPI, Docker, and cloud-native deployments.

CONTACT

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🌐 Samuel Shine

SKILLS

Programming

Python, Java, Go, JavaScript, C, C#, R

Machine Learning & Data

Applied Machine Learning, NLP, LLM Workflows, Feature Engineering, ETL Pipelines, Data Analysis

Backend & Infrastructure

FastAPI, REST APIs, Docker, CI/CD, PostgreSQL, Kubernetes, Cloud-Native Deployment

Operating Systems

Linux, macOS, Windows

Languages

English (Fluent)
Hindi (Professional)
Kannada (Professional)
Malayalam (Basic)

CERTIFICATES

Advanced Google Analytics
Google Analytics for Beginners
Qlik Sense Business Analyst Qualification (2022)
Academic Process Mining Fundamentals

HONOURS & AWARDS

AI Prompt Writing / Image Generation — 1st Place, Christ University (2024)
Coding & Debugging — 1st Place, NMIT (2024)
IT Quiz — 1st Place, Computantra (2023)
Smart India Hackathon — Finalist (2023)
Coding & Debugging — 2nd Place, Kristu Jayanti College (2023)
Typing Competition — 2nd Place, Jyoti Niwas College (2024)

ABOUT ME

Machine Learning and Backend Engineer with experience designing, deploying, and maintaining production-grade AI systems. Strong background in Python backends, data engineering, and applied machine learning, with hands-on work in LLM workflows, NLP pipelines, and cloud-native deployments across APIs and CI/CD.

WORK HISTORY

📅 07/2025 - Present

📍 CVC Network India Pvt. Ltd., Bengaluru, India

Machine Learning Engineer (Contract)

Built and deployed backend services for production ML systems, including LLM evaluation and NLP pipelines. Designed API-driven workflows to integrate AI services into internal platforms, improving system reliability and long-term maintainability in a cloud-native environment.

📅 09/2024 - 06/2025

📍 CVC Network India Pvt. Ltd., Bengaluru, India

Machine Learning Engineer

Developed and productionized AI-driven backend services and RAG-based systems using Python, Docker, and Kubernetes. Collaborated with engineering teams to translate ML workflows into scalable, deployable services.

📅 07/2024 - 08/2024

📍 CVC Network India Pvt. Ltd., Bengaluru, India

Data Engineer

Designed and maintained ETL pipelines and prepared datasets for analytics and reporting. Supported internal stakeholders with reliable, data-driven insights.

📅 10/2023 - 04/2024

📍 Kristu Jayanti Software Development Centre, Bengaluru, India

Backend Developer

Built RESTful APIs and backend automation using Python frameworks, improving operational workflows for institutional platforms.

📅 06/2023 - 07/2023

📍 CVC Networks] India Pvt. Ltd., Bengaluru, India

Student Intern

Worked on data preprocessing, exploratory analysis, and basic visualizations using real-world datasets in collaboration with engineering teams.

PROJECTS

📅 2024

Personal Project

Reimagining Instagram: A Full-Stack System

Designed and implemented a full-stack social media platform using FastAPI, PostgreSQL, and React. Built containerized services and automated CI/CD pipelines with Docker and Jenkins, demonstrating end-to-end backend ownership and production-style deployment.

📅 2023

Open Source / Personal Project

DataScrub

Developed an open-source Python package to simplify data cleaning and preprocessing in pandas-based workflows, focusing on reusable and production-ready utilities.

📅 2022

Academic Project

Run Dino Run

Built a 3D Android game using Unity and C#, implementing dynamic gameplay mechanics, scoring systems, and performance-optimized assets.