

Pratham P. Sharma

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Summary

Aspiring **DevOps & Cloud Engineer** with hands-on experience in **infrastructure automation**, **multi-GPU orchestration**, **CI/CD pipelines**, and **cloud-native deployments**. Skilled in **Terraform**, **Docker**, **Kubernetes**, and **GCP/AWS**, with expertise in **automation workflows** (n8n, Opal) and **Low-Level Design (LLD)** for scalable distributed systems. Passionate about optimizing reliability, streamlining deployments, and enabling AI/ML workflows at scale.

Education

HarvardX CS50 — Harvard University
B.Tech Computer Science (AIML) — Sharda University

Pursuing
2024–Pursuing

Key Achievements

- Facilitated Google Cloud workshops, mentoring peers at **Google Arcade 2024**.
- Winner**, Code to Cloud AWS Hackathon.
- Selected for **Google Summer of Code 2025**, contributing to open-source ecosystems.
- Featured **twice** on official university channels for product excellence.
- Ranked **1st** in Paytm organization leaderboard across business unit.

Skills

Programming:	Java, Python, HTML, CSS, JavaScript, TypeScript, Bash
Product Skills:	User Research, Agile/Scrum, Design Thinking, Roadmapping
DevOps & Cloud:	GCP, AWS, Terraform, Docker, Kubernetes, CI/CD
Frameworks & Tools:	Git, GitHub, Firebase, Flask, VS Code, IntelliJ, Terragrunt, Terratest
Machine Learning:	LLMs, Hugging Face, SGLang, OpenRouter
Automation:	Opal by Google, n8n
Design:	Low-Level Design (LLD), UI/UX Prototyping
Databases:	SQLite
Soft Skills:	Collaboration, Communication, Leadership, Problem Solving

Projects

Bandhutva — LinkedIn Manager (🔴 Firefox) (🔵 Edge)

Developed a browser extension to automate LinkedIn connection management. Identified pain points in bulk request handling, designed UI workflows, and implemented automation to improve efficiency.

Vanasandesh.AI — Forestry & Wildlife Tech Aggregator

Created an AI-powered news aggregation system for forestry professionals. Built summarization pipelines (RSS feeds, scraping, keyword filters) and delivered a Flask dashboard, reducing manual research effort by **70%**.

Experience

Program Associate – Tech Infra/DevOps — Myristika Sustainable Solutions Jun 2025 – Sep 2025

- Defined and implemented a news aggregation product using **AI summarization** and automation tools, boosting team productivity by **70%**.
- Designed and deployed the organization's website, aligning product requirements with business goals.
- Prepared **technical documentation** (system workflows, API references, deployment guides) for seamless handover.

DevOps Intern — Paytm May 2025 – Jul 2025

- Automated GPU provisioning on **Lambda Labs** with **Terraform & Terragrunt**, reducing setup time by **80%**.
- Deployed scalable **LLM inference pipelines** for **Ollama 3.3 8B/70B models** on **A100 GPUs** using **SGLang**, boosting throughput by **30%**.
- Created optimized **Dockerfiles (25% smaller)** and **Docker Compose** setups, accelerating setup by **30%**.
- Automated logs, backups, and cleanup with **Bash scripts**, cutting manual work by **50%**.
- Integrated **Terratest** for infrastructure validation, improving IaC reliability.
- Resolved **CI/CD pipeline** mismatches, reducing integration issues by **50%**.

Associate Cloud Engineer — Google (Hybrid) Sep 2024 – Nov 2024

- Achieved **Google Cloud Associate Cloud Engineer Certification**.
- Organized and led cloud workshops, boosting participation by **30%**.

Certifications

Google Cloud Badge for Generative AI (Google)
More Certifications

Machine Learning Fundamentals (Microsoft)