

Pratham P. Sharma

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Summary

Aspiring **Product Development & DevOps Intern** with hands-on experience in **automation, low-level design (LLD), and cloud-native systems**. Skilled in **Terraform, Docker, Kubernetes, GCP/AWS**, and **CI/CD pipelines**, with proven ability to translate user needs into scalable solutions. Experienced in building **automation workflows**, orchestrating **AI/ML pipelines**, and delivering products that improve efficiency and user experience. Passionate about bridging product thinking with engineering execution.

Education

HarvardX CS50 — Harvard University Pursuing
B.Tech Computer Science (AIML) — Sharda University 2024–Pursuing

Key Achievements

- Google Cloud Community India **Facilitator**; led workshop 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 professional excellence.
- Ranked **1st** in Paytm organization leaderboard across business unit.

Skills

Programming:	Java, Python, JavaScript, TypeScript, Bash
Product:	User Research, Agile/Scrum, Roadmapping, Design Thinking
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:	LLD, UI/UX Prototyping
Databases:	SQLite
Soft Skills:	Collaboration, Leadership, Problem Solving

Projects

Bandhutva — LinkedIn Manager (🔒 Firefox) (🔒 Edge)
Developed a browser extension to automate LinkedIn connection management. Identified bulk request handling as a user pain point, designed a streamlined UI, and implemented automation to boost efficiency and user experience.

Vanasandesh.AI — Forestry & Wildlife Aggregator
Created a product that automates research for forestry professionals. Designed workflow, built AI-powered summarization (RSS feeds, scraping, keyword filters), and delivered a Flask dashboard for moderation, reducing manual effort by **70%**.

Experience

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

- Defined and delivered an **automated news aggregation system** with AI summarization, keyword filtering, and Flask dashboards — reducing manual research effort by **70%**.
- Designed and deployed the official company website, aligning technical execution with business goals for stronger digital presence.
- Authored detailed **technical documentation** (system workflows, API references, deployment guides) to support scalability and handover.

DevOps Intern — Paytm May 2025 – Jul 2025

- Automated GPU provisioning on **Lambda Labs** with **Terraform & Terragrunt**, cutting infra setup time by **80%**.
- Deployed multi-GPU inference pipelines for **Ollama 3.3 (8B/70B)** using **SGLang**, boosting throughput by **30%**.
- Built optimized **Dockerfiles (25% smaller images)** and **Compose** setups, reducing environment setup time by **30%**.
- Automated log rotation, backups, and cleanup with **Bash**, reducing manual overhead by **50%**.
- Integrated **Terratest** into IaC pipelines, improving deployment reliability.
- Fixed CI/CD environment mismatches, cutting integration issues by **50%**.

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

- Achieved **Google Cloud Associate Cloud Engineer Certification**.
- Led product-focused GCP workshops, increasing participation by **30%**.

Certifications

Google Cloud Badge for Generative AI (Google) Machine Learning Fundamentals (Microsoft)
More Certifications