

# UDAY PRATAP SINGH PARIHAR

## FULL STACK | AUTOMATION | REVERSE ENGINEERING

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### PROFILE

Full-stack developer focused on shipping production features and building efficient automation systems. Hands-on experience building LLM-powered products, developing agentic workflows, and reverse-engineering complex APIs to solve integration challenges. Comfortable with high-throughput systems and building reliable tools where documentation is limited. I enjoy digging into how systems work to deliver scalable, impactful solutions.

### WORK EXPERIENCE

#### Founding Engineer, Delivo

Jan 2023 — Feb 2025

Mumbai, Maharashtra, India

Built a cutting-edge logistics web platform to streamline the management of international shipping operation,

- Owned the end-to-end tech stack, from platform architecture and core workflows to client/warehouse dashboards and system integrations.
- Collaborated with cross-functional teams to ensure seamless integration with existing systems and compliance with international shipping regulations.

#### Software Engineer Intern, Tradyon

May 2025 — Jul 2025

Bengaluru, Karnataka, India

Delivered end-to-end product features for Tradyon's cross platform **AI chatbot** (Next.js web + React Native app).

- Shipped production features and bug fixes across web and mobile to improve chatbot UX and reliability.
- Built agentic workflows using Dify** to orchestrate **LLM interactions with global trade-data retrieval** (BigQuery backed) and downstream response generation.
- Enabled rich responses (text + charts/graphs) by wiring workflows into the app's existing data/services layer.
- Worked in a fast iteration cycle, prioritizing delivery speed while maintaining code quality.

### FREELANCE PROJECTS

#### EHR Automation — eClinicalWorks

Aug 2025

**Reverse engineered the platform's payload encryption** of request endpoints to enable reliable automation. Built a custom API wrapper by analyzing network traffic and request/response patterns, enabling programmatic patient creation and appointment scheduling (UI-free integration layer).

#### E-commerce Automation — Myntra, Flipkart

Dec 2023

Built an automation suite with high volume account generation (500+), restock/price monitors, and a low-latency **request-driven bulk checkout executor** (~2s COD) at 500+ concurrency. Implemented a **centralized web dashboard** to manage accounts, orders, and delivery codes; deployed on GCP Cloud Run for scale. Integrated automated card payment flows with **3DS OTP capture/autofill** via companion app integration to reduce manual intervention.

#### High-Concurrency Ticketing — BookMyShow

Oct 2024 — Nov 2025

Engineered an end-to-end RPA ticketing suite controlling **50 concurrent accounts on Firefox** with an IMAP-based auto-login pipeline for high-demand drops (Coldplay, Travis Scott, 2023 World Cup). Engineered custom Queue-IT bypass logic by optimizing request timing to consistently achieve **sub 500 queue positions against 1M+ users**, and deployed a centralized monitor to track live queue progression and seat availability across all active sessions.

#### Real-Time Copy Trading Bot (Solana + EVM)

Jul 2024

Built a real time copy trading system across Solana and EVM chains (Ethereum, Base), supporting multiple copier + copying wallets. Monitored on-chain transactions via RPC nodes, detected and decoded swap input data, and mirrored trades with configurable allocation executing within the next block.

### SKILLS

**Automation:** API/Android Reverse Engineering, Puppeteer, Appium, SSL Proxying, Burp, Frida, Dify.

**Frontend:** React, Next.js, TypeScript, Tailwind, React Native

**Backend & DB:** Node.js, Python, PHP, MySQL, Mongo

**Cloud & Infra:** GCP (Cloud Run), AWS, Serverless, Nginx, Linux

### EDUCATION

IPS Academy, Rajendra Nagar, Indore

2023 — 2027

Bachelor of Technology - BTech in Computer Science