

Amit Ray

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EXPERIENCE

- **AdNabu** Bengaluru, India
Senior Software Engineer Feb 2024 – Present
 - Build the systems that push over 10 million product updates a day from 50,000 Shopify stores to Google and Meta, keeping ads on current prices and stock.
 - Built 2 “Built for Shopify” certified apps end to end and shipped features across 6 more, all rated 4.3 or higher.
 - Built server-side conversion tracking for Google, Meta, and TikTok Ads, showing merchants which ads led to sales across millions in monthly ad spend.
 - Rebuilt the ad tracking apps to meet GDPR and Shopify privacy rules, protecting \$50K in monthly revenue.
 - Lead a team of 3 engineers, setting the technical direction on new apps and reviewing their design and code.
- *Software Engineer* Sep 2022 – Jan 2024
 - Designed cloud-native infrastructure on GCP using Cloud Run, Functions, and Pub/Sub at 99.9 percent uptime.
 - Cut a core task from 30 minutes to under a minute within 6 months of joining, by reworking how it was scheduled and batched.
 - Built and launched two SEO apps on the Shopify App Store, one compressing images for faster pages and one redirecting old URLs to protect search rankings.
 - Engineered distributed task processing with Django, Celery, Redis, and RabbitMQ to absorb bulk sync traffic.
- **TechCiti Software Consulting Private Limited** Remote
Software Developer Intern Jan 2022 – Jun 2022
 - Built web applications with Flask and FastAPI, including data integration for internal projects.
 - Developed and maintained REST APIs, participating in peer code reviews to improve code quality.

PROJECTS

- **Etsy Python SDK (etsy-python)** (Open Source) PyPI · GitHub
Python client for the Etsy v3 API covering OAuth2 token exchange and refresh, shop, listing, and payment resources. 24 releases on PyPI, averaging 700+ monthly downloads.
- **Python Social Auth (python-social-auth)** (OSS Contribution) GitHub
Authored the EtsyOAuth2 authentication backend merged upstream into social-core, shipping to every Django and Flask project that uses the library.
- **Shelf** (Open Source) GitHub
Self-hostable service that publishes files as immutable revisions through an agent-safe CLI, shared via links that can be pinned or revoked.
- **Sym** (Open Source) GitHub
Slack-native AI teammate built on the Model Context Protocol. Connects MCP servers over stdio and HTTP, loads tools on demand, and gates destructive calls behind confirmation.
- **Pare** (Open Source) GitHub
Image optimization service that routes each format to its best-performing encoder across PNG, JPEG, WebP, AVIF, and HEIC, exposed through a single HTTP API.
- **PixelTracer** (Open Source) GitHub
Browser extension that decodes marketing tracking requests in real time, showing what Google Ads, Meta, and TikTok pixels collect on any page.

SKILLS

- **Languages and Frameworks:** Python, TypeScript, JavaScript, Django, FastAPI, Celery, React.js, Next.js, GraphQL, REST APIs
- **AI and Agents:** LLM APIs (OpenAI, Anthropic), Model Context Protocol (MCP), Agent Orchestration, Tool Calling, LLM Observability (OpenTelemetry), Prompt Design, Guardrails
- **Infrastructure and Data:** Google Cloud Platform (GCP), Docker, PostgreSQL, Redis, RabbitMQ, CI/CD, Shopify App Development

EDUCATION

- **GH Rasoni College of Engineering** Nagpur, India
Bachelor of Engineering in Computer Science; GPA: 8.79 Aug 2018 – Jul 2022

PUBLICATIONS

- **Blockchain based E-Voting System** — IJRTI, Volume 7, Issue 6, 2022. ISSN: 2456-3315