

Amit Ray

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EXPERIENCE

- AdNabu** Bengaluru, Karnataka
Senior Software Engineer *Sep 2022 – Present*
 - Feed Management Infrastructure:** Architected and scaled infrastructure processing 10M+ daily product updates across Google, Meta, Amazon, and Etsy for 10,000+ Shopify merchants.
 - AI-Powered Optimization:** Implemented AI-powered product optimization using GPT APIs and custom Machine Learning models for automated content generation.
 - Shopify App Development:** Led development of 4 "Built for Shopify" certified apps with 4.8+ star ratings, including Google Shopping Feed and Facebook Pixels solutions.
 - Cloud Infrastructure:** Designed cloud-native infrastructure on GCP using Cloud Run, Functions, and Pub/Sub, achieving 99.9 percent uptime and auto-scaling.
 - Performance Improvements:** Optimized system performance reducing API latency and improving delivery cycles.
 - Leadership:** Led cross-functional team of 3 engineers, mentoring developers to enhance team collaboration and code quality.
- TechCiti Software Consulting Private Limited** Remote
Software Developer Intern *Jan 2022 – June 2022*
 - Backend Development:** Worked with Python backend team, developing web applications using Flask and FastAPI including data integration for internal projects.
 - REST API Development:** Developed REST APIs and maintained local code bases, ensuring robust and scalable backend services.
 - Code Quality & Reviews:** Participated in peer code reviews to improve the quality of code written by other team members.
 - Performance Optimization:** Debugged code to fix errors and improve performance, enhancing overall application efficiency.

PROJECTS

- Etsy Python SDK:** A Python SDK for the Etsy API that simplifies OAuth2 authentication and offers an intuitive interface for developers to integrate Etsy's e-commerce features into their applications.
- Online Class Monitoring System:** An elegant Web App based on flask and firebase for marking attendance by recognizing the student's faces using Facenet (Facial Recognition System).
- Blockchain Based E-Voting System:** A decentralized local web app based on Ethereum blockchain technology for voting system to be transparent and tamper proof with smart contract integrations.
- LLMFinder (AI Model Discovery Tool):** A tool for discovering and comparing Large Language Models by capabilities, metrics, and use cases.
- PixelTracer (Web Tracking Pixel Detector):** A browser extension that monitors and visualizes marketing tracking pixels in real-time, showing data collection through Google Ads and Facebook Pixel.
- OCR Plagiarism App:** An OCR app to check inserted pdf/docx files plagiarised content ratio using search engine as record bases.

SKILLS

- Languages and Frameworks:** Python, JavaScript, React.JS, Django, Celery, Redis, GraphQL, RabbitMQ
- Technologies:** Google Cloud Platform, Artificial Intelligence, Blockchain, Docker, Shopify Apps Development, PostgreSQL

EDUCATION

- GH Raisonni College of Engineering** Nagpur, Maharashtra
Bachelor of Engineering in Computer Science; GPA: 8.79 *Aug 2018 – July 2022*

PUBLICATIONS

- Blockchain based E-Voting System:** Amit Ray and others, "Blockchain based E-Voting System", IJSDR, ISSN:2455-2631, Vol.7, Issue 6, June-2022

CERTIFICATIONS

- Microsoft Technology Associate (Python):** December 2019
- Business English Preliminary (Cambridge):** February 2019