

Abhay Pratap Yadav

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Summary

Full-stack software engineer with production experience in Python and TypeScript. Experienced in building AI-powered applications and scalable software, contributing to open-source projects like GoFr, and shipping end-to-end products across backend, frontend, and AI.

Education

Newton School of Technology (ADYPU) 2024 – 2028 (Expected)
Bachelor of Technology in Computer Science and Engineering (AI & ML), CGPA: 8.10/10 Pune, India
Relevant Coursework: Data Structures & Algorithms, System Design, Data Analysis

Work Experience

QuadX AI (gentic) April 2026 – September 2026
Associate (Backend AI) Hybrid

- Solely built the full-stack Oblix AI platform (frontend, backend & multi-agent AI) for a healthcare MVP.
- Deployed services on serverless GCP (Cloud Run) while independently ramping up on a multi-service codebase.
- Collaborated on agent pipeline design, incorporating feedback through iterative code reviews.
- Engineered a rate-limited GCP pipeline for 17K items (60 req/min), halving calls by merging dual-collection fetches.

GoFr (Open Source) March 2026
Contributor Remote

- Implemented distributed migration locking (acquire, release, periodic refresh, stale-lock cleanup) for the Oracle and MongoDB migrators in a production Go microservice framework, closing two tracked issues ([PR #3178](#), [PR #3004](#)).
- Added unit tests covering lock lifecycle, retries, and error handling; iterated through code review to merge.
- Addressed reviewer feedback on error visibility and test performance across iterations, aligning error-handling patterns with existing codebase conventions.

Projects

Formify – Full Stack Form Builder — *Go, Echo, React, PostgreSQL, Vercel Containers, Cloudflare* 2026

- Designed and shipped a production Go/Echo backend powering form creation, submission, and storage, exposed via REST APIs.
- Implemented Google OAuth login, routing authenticated users to a dashboard to create and manage forms.
- Owned the project from system design through deployment on Vercel Containers.

Visual Product Comparison Engine — *React, Electron, TensorFlow.js, ResNet50, HNSWLib* 2026

- Built an offline-first desktop app for visual fashion search across a 20,000+ product catalogue.
- Designed an ML pipeline (ResNet50 embeddings + HNSWLib ANN search) delivering sub-second results with zero cloud dependency.
- Eliminated cloud API dependency by running the full inference pipeline locally, on-device.

Technical Skills

Languages: Go, TypeScript, JavaScript, Python, SQL

Backend: Echo, Node.js, Express.js, Flask, ADK, REST APIs, JWT, OAuth, Prisma ORM

Frontend: React.js, Next.js, React Native, Electron, HTML5, CSS3, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Firestore

Data & AI: Pandas, NumPy

Cloud & DevOps: GCP (Cloud Run, Cloud Functions, Cloud Storage), Azure, AWS (EC2, S3), Vercel, Render

Tools: Git, GitHub, CI/CD, Docker, Firebase, Figma

Certifications

Letter of Recommendation – *Newton School of Technology* [Verify](#)
For contributions to the open-source Screentime Recorder project.

Generative AI for Everyone – *DeepLearning.AI* [Verify](#)
Andrew Ng's course covers generative AI concepts, prompt engineering, and real-world applications.

Extra-Curricular

- Open-source contributor with experience in JavaScript, Python, and Go. Maintainer of Screentime Recorder — review and merge community pull requests with structured feedback. Core member of the NST Developer Club, promoting open-source and peer learning.
- Co-organised major campus hackathons (Nirmaan and CTF + Treasure Hunt), handling event planning, volunteer coordination, and technical setup. Also mentored fellow students on community-driven software projects.