

Pinak Kundu

LinkedIn: <https://www.linkedin.com/in/pinakk/>
GitHub: <https://github.com/pinakkk>

Email: bypinakkundu@gmail.com
Mobile: +91-7679653754

SKILLS

Languages:	TypeScript, JavaScript, Python, C++, SQL
Frontend:	React.js, Next.js, TypeScript, Tailwind CSS, Responsive Design, Component Architecture, State Management, Web Accessibility, Server-Sent Events
Backend:	Node.js, FastAPI, Express.js, REST APIs, Authentication, Rate Limiting, Webhooks, Background Jobs
DB and Cloud:	PostgreSQL, Redis, pgvector, Supabase, Cloudflare Workers, R2, D1, Docker, GitHub Actions, CI/CD
CS Fundamentals:	Data Structures and Algorithms, System Design, OOP, DBMS, Networks, RAG
Soft Skills:	Team Collaboration, Adaptability, Creativity, Technical Communication

EXPERIENCE

- Founding Full Stack Developer | Obvix Labs Mar '26 – Current
 - Developed and contributed in backend services for AI/SaaS products using Next.js, FastAPI, and PostgreSQL; integrated LLM workflows with hybrid RAG.
 - Set up Google OAuth 2.0, JWT auth, per-user rate limiting, Redis caching, background workers, and CI/CD pipelines.

PROJECTS

- Amyy AI | Privacy-First AI Companion Framework | Amyy May '26
 - Shipped the complete user-facing product for an AI companion app serving 300+ users by building 41 reusable components across 11 routes spanning chat, onboarding, dashboard, and legal flows.
 - Cut perceived response latency to near-instant by implementing token-by-token streaming over Server-Sent Events with incremental parsing, auto-scroll, and typed error recovery.
 - Migrated authentication from WorkOS to Google OAuth 2.0 end-to-end, rebuilding session sync, callback, and logout flows alongside the backend auth routes and Alembic migrations.
 - Contributed to v2 architecture by shipping layered LLM classifiers and memory modules behind feature flags with graceful fallbacks, plus daily quotas and input sanitisation on chat endpoints.
 - Tech Stack: Next.js, React, TypeScript, Tailwind CSS, FastAPI, Python, Google OAuth 2.0, SSE, Docker
- CutiePage | Template-Based Website Builder | Cutiepage.in Apr '26
 - Grew a solo-built SaaS website builder to 50,000+ users and 6,500+ paid orders by architecting 129 REST endpoints and 84 versioned database migrations behind a no-code editor.
 - Eliminated manual payment intervention by integrating dual gateways with signature-verified webhooks, idempotent order processing, and a scheduled job that auto-recovers failed transactions.
 - Reduced site publishing to under 30 seconds across 25 responsive templates by engineering an edge-cached publish pipeline with Cloudinary uploads and QR generation.
 - Offloaded a 100k-events/day analytics pipeline to Cloudflare D1 and served the platform serverless on Workers with R2 storage and KV-backed custom domains.
 - Hardened multi-tenant data access with Row-Level Security, rate limiting, and sandboxed template rendering on an isolated origin, covering payments and domains with 54 test suites.
 - Tech Stack: Next.js, TypeScript, PostgreSQL, Supabase, Redis, Cloudflare Workers, R2, D1, KV, Razorpay, Vitest
- Mentora | Agentic AI Career Coach Platform | Mentora Apr '26
 - Delivered an AI career platform end-to-end, cutting a 6-stage placement prep workflow into one interface, by developing 27 REST endpoints over a normalized 13-table relational schema.
 - Improved answer relevance across long conversations by engineering a RAG pipeline over a three-tier memory layer, pairing vector similarity search with episodic caching and request-scoped context.
 - Built a tool-calling agent exposing 12 backend functions over a multi-step reasoning loop, with streaming responses, background jobs, and speech-to-text powering voice mock interviews.
 - Enforced per-user data isolation through row-level policies, role-based admin access, and sliding-window limits across 5 endpoint tiers, surfaced in responsive charting dashboards.
 - Tech Stack: Next.js, TypeScript, Node.js, PostgreSQL, Prisma, pgvector, Redis, Groq, RAG

CERTIFICATES & CERTIFICATIONS

- Cloud Computing | NPTEL – Certificate Apr '26
- Foundations of User Experience Design – Google Mar '26
- Master Generative AI & Generative AI Tools – Infosys Springboard Aug '25

ACHIEVEMENTS

- Top 10 Finalist Nationwide at iMobiLothon 5.0 Hackathon organised by Volkswagen Group.
- Solved 120+ Data Structures & Algorithms problems on LeetCode and actively progressing.
- Content Creator with 60K+ followers on Instagram generating 35M+ lifetime views.

EDUCATION

- Lovely Professional University Punjab, India
Bachelor of Technology – Computer Science and Engineering; CGPA: 8.04 Since Jul '23
- Gangarampur High School Gangarampur, West Bengal
Intermediate; Percentage: 83 May '21 – May '23