

Pranav Iyengar

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EDUCATION

Ashoka University	Advanced Scholars Programme	3.44/4.0	Sonipat, India	May 2024
Ashoka University	B.Sc. in Computer Science	3.73/4.0	Sonipat, India	May 2023
IIT Madras	Diplomas - Data Science, Programming	7.5/10	Online	May 2024

WORK EXPERIENCE

AmuseLabs

Bengaluru, India

Senior Software Engineer May 2023 – Aug 2023 (Intern) | June 2024 - June 2025 (SDE) | June 2025 - Present (Senior SDE)

- **Built and scaled platform primitives** across account lifecycle, plans, billing, authentication, and permissions, enabling fully **self-serve operations for 100K+ MAU**.
- Developed **subscription and billing infrastructure** (Stripe trials, upgrades/downgrades, account migrations, reconciliation), ensuring consistent state across paid accounts.
- Unified **identity and access** across Firebase Auth, Auth0, and internal tooling, supporting OAuth providers, member management, and permissions for all plans on the platform.
- Designed **non-logged-in user identity and persistence** using cookie fingerprinting, enabling stateful interactions, analytics, and conversion nudges and tracking, without authentication.
- Built **reporting and analytics pipelines** (puzzle creation reports, puzzle play metrics, PostHog integration), improving visibility and **enabling data-driven decisions** across product and business teams.
- Designed and shipped **core systems** including **rewarded ads** (secure iframe + cross-frame messaging), the [Decipher importer](#) and [crossword clue search migration to PostgreSQL](#) (300K+ clues), improving reliability and monetization.
- Built **internal developer tooling and automations** (Cursor extension, PR workflows, scripts) to streamline engineering processes and reduce manual overhead.

Topbar Company

Delhi, India

Co-founder, CTO

Nov 2022 - Mar 2024

- Bootstrapped the company to **INR 20+ Lakhs ARR in 16 months**, managing customer requirements alongside technical execution
- Oversaw the development and maintenance of **12+ projects**, implementing robust CI/CD pipelines
- Developed and maintained systems to handle **100,000+ monthly users** across all projects, providing high performance and minimal downtime.

Withub

Remote

Full Stack Development Intern

May 2022 - Aug 2022

- Shortened **search result load time by 2 seconds** through the implementation of a middleware to handle third-party integration API calls
- Streamlined the addition of new integrations by **creating a framework** that leverages JSON structures to abstract reusable components

PROJECTS

- [LED Graph](#): Built an interactive hardware visualizer for graph algorithms using capacitive touch sensors and programmable LEDs to demonstrate BFS, DFS, and shortest-path traversal.
- [Zero Knowledge Proof E-Voting](#): Developed an e-voting system that incorporates Zero Knowledge Proofs and ECDSA to ensure the privacy of users, using Flask and React
- [Mini-FaaS](#): Built a lightweight serverless execution platform in **Python** using **Docker** for containerized function isolation and **SQLite** for state management, implementing function deployment, request routing, and sandboxed runtime execution
- [Grant Radar](#): Built an automated pipeline to discover and rank grant opportunities with deduplication, crawling-based enrichment, cosine-similarity ranking, and LLM summarization, delivering structured email digests via a scheduled job..

SCHOLASTIC ACHIEVEMENTS

Latin Honours | Ashoka University - Graduated Cum Laude from Ashoka University with a 3.73/4.0 GPA

Dean's List | Ashoka University - Awarded for two semesters at Ashoka University for continuous high academic performance

Teaching Assistant

- Computer Networks | Ashoka University | Spring 2023
- Computational Thinking | IIT Madras | May 2022

Best Course Project - Modern Application Development I | IIT Madras

- 5/400 people awarded with the 'Best Course Project', receiving a Letter of Appreciation from the Dean
- Selected to present the project to an expert panel and 1000+ inter-university students at the IIT Madras annual fest