

Yash Lunawat

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PROFESSIONAL SUMMARY

Final-year B.Tech AI student who builds and ships AI-native products using Claude, Python, and TypeScript. Built desktop apps, real-time pipelines, and automations on top of LLMs — prompt engineering, agents, and BYOK architectures. Focused on turning ideas into working products fast.

EDUCATION

Bachelor of Technology (Artificial intelligence)
Newton School of Technology, Rishihood University

2023 - 2027
Grade: 7.95/10.0

EXPERIENCE

Full Stack Developer
Rishihood University

September 2025 - April 2026
Sonapat, Haryana

- Contributed to backend systems, APIs, database workflows, and platform infrastructure for university-focused digital products and internal platforms at Rishihood University.
- Worked on scalable backend services using Node.js, Express.js, SQL/SQLite, authentication systems, and workflow automation for student-centric platforms and operational tooling.
- Collaborated on system architecture, deployment workflows, feature implementation, and performance optimization across multiple university digital initiatives.

INTERNSHIPS

Operations Intern
Frontrow

August 2024 - February 2025
Remote

- Managed operational workflows, scheduling systems, participant coordination, and cross-functional communication for large-scale student engagement activities.
- Collaborated with multi-disciplinary teams to streamline execution pipelines, reporting workflows, and event coordination processes in fast-paced operational environments.
- Handled structured reporting, process optimization, stakeholder coordination, and execution management across multiple ongoing activities and student programs.

PROJECTS

Vessel ([Github](#)) ([Demo](#))

May 2026

- Built Vessel — a lightweight **Go-based self-hosted deployment platform** for Linux VPS infrastructure and application lifecycle management.
- Automates Docker provisioning, Caddy reverse proxy setup, HTTPS configuration, deployment workflows, container lifecycle management, and self-hosted application orchestration through a single binary installer.
- Engineered production-focused infrastructure tooling with YAML-based templates, deployment automation, live logs, and server bootstrap workflows.

GhostPilot ([Github](#)) ([Demo](#))

May 2026

- Built GhostPilot — a **local-first AI-powered** desktop publishing platform using **Electron, React, TypeScript, SQLite, and Claude/OpenAI APIs**.
- Engineered **persona-aware prompting**, AI-generated platform-native content pipelines, OAuth integrations, background scheduling workers, and secure local key management using macOS Keychain.
- Supports **Anthropic, OpenAI, Groq, Ollama, and OpenRouter** with fully BYOK architecture for AI-powered social publishing workflows.

DriftCheck ([Github](#))

May 2026

- Built an **AI-powered visual regression** and accessibility monitoring platform using Cloudflare Workers, Playwright, vector embeddings, and Llama Vision models.
- Automated screenshot diffing, **WCAG accessibility auditing, AI-powered issue analysis, distributed crawling workflows, and real-time monitoring pipelines**.
- Designed scalable workflow orchestration using Cloudflare Workflows, Vectorize, D1, and R2 storage systems.

Babel Room ([Github](#)) ([Demo](#))

April 2026

- Built a **real-time multilingual** voice communication pipeline using Cloudflare **Workers AI, WebSockets, Durable Objects, speech-to-text, translation workflows, and TTS synthesis**.
- Engineered low-latency speech → translation → audio workflows with real-time caption fanout, multilingual communication support, and **post-call AI summarization pipelines**.
- Implemented **distributed real-time infrastructure** using Cloudflare-native systems and asynchronous workflow orchestration.

SKILLS

Computer Language: CSS, Go, JavaScript, Python, SQL, TypeScript

Courses: Data Structure

Soft Skill: Communication Skills, Creativity, Critical Thinking, Decision-making, Presentation Skills, Research, Responsibility, Teamwork, Time management

Databases & Data Tools: NoSQL

AI / ML: A2A, Deep Learning (DL), Gemini API, GenAI, Generative AI, LangChain, LangGraph, LLM, MCP, n8n Introduction, OpenAI API, RAG, Vector Embeddings

APIs & Testing: Concurrency, Distributed Systems, ESLint, Event-Driven Architecture, Postman, Unit Testing

Cloud & DevOps: AWS, Docker, Docker Compose, GitHub Actions, Google Cloud Platform, Kafka, Kubernetes, Linux, Nginx, RabbitMQ

Domain & Business Skills: Documentation Writing, Product Management

Frameworks & Libraries: Express JS, Node.js, Tailwind, Tailwind CSS

EXTRA-CURRICULAR ACTIVITIES

- President, E-Cell - Led entrepreneurial initiatives, startup-focused workshops, recruitment drives, and industry collaboration activities across the university entrepreneurship community.
- **Neutron** - University Technical Fest: Managed cross-functional teams of 120+ students for the university's annual technical fest. Coordinated technical events, operational workflows, sponsorship activities, event execution, participant management, and large-scale student engagement operations.
- **Damru** - University Cultural Fest: Coordinated planning, execution, logistics, and multi-team operations for the university's annual cultural fest. Managed large student teams, event workflows, coordination pipelines, and on-ground execution for high-scale campus activities.