

YASH TIWARI

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SUMMARY

Backend-focused engineer building scalable APIs and full-stack products, with open-source contributions in AI agent tooling and hands-on experience with modern web stacks.

SKILLS

Languages: Python, C++, C, JavaScript, TypeScript, SQL, Bash

Full Stack Engineering: React, TailwindCSS, Node.js, Express.js, FastAPI, REST APIs

Databases & Caching: PostgreSQL, SQLAlchemy ORM, MongoDB, Redis

Tools & Technologies: Docker, Linux, Git, Nginx, Vim, NeoVim, Gemini CLI, VS Code, Cursor

Core CS: DSA, System Design, OS, Computer Networks, DBMS

EXPERIENCE

Full Stack Developer Intern: BucketList.io

(Nov 2025 – Jan 2026)

- Worked on a travel bucket-list platform enabling users to create, share, and track experiences.
- Built **NestJS** APIs for authentication and bucket list features.
- Developed **Next.js** frontend and used **Supabase + Google Cloud** for DB, storage, and deployment.

Open Source Contributor: Peargent (Open Source)

- Worked on Peargent's core agent framework using **Python**, improving **tool execution, validation, and error handling**.
- Collaborated via **GitHub**, contributing to production-grade code and working with **LLM integrations** (**OpenAI/Gemini/Anthropic**) and **FastAPI**.

PROJECTS

GeoDermal Assistant

FastAPI, React, PostgreSQL, Docker

- Built a **travel wellness platform** covering **30+ cities** using FastAPI and React; implemented **secure authentication, rate limiting (10 req/hr)**, and real-time user session management.
- Integrated **Groq LLM** with **3 real-time APIs** for **6-factor health risk assessment**; designed optimized and indexed PostgreSQL schemas for efficient query performance.

GiveHub

React(Redux), Redis, PayPal(WebHook)

- Developed a full-stack **donation platform** integrating **PayPal REST APIs** with **webhook-based payment verification** and **email verification**.
- Implemented **JWT authentication, Redis-based OTP flow** and **8+ REST endpoints**.
- Containerized services using **Docker** and configured **rate limiting** with automated **transactional emails** via **SMTP**.

VeriFact

MERN stack, Hugging Face

- AI-powered Web application for verifying **AI generated content** for **images, text, and video** with **explainable confidence scores**.
- Building a **Node.js/Express** backend using **Google Fact-Check & Tavily** APIs with redis based caching.
- Designing **MongoDB schemas** and **REST APIs** for moderation workflows, enabling **streaming classifications** and **audit logging**.

EDUCATION

Rajasthan Technical University

Aug 2023 – May 2027

B.Tech in Computer Science & Engineering — CGPA: 8/10

Kota, Rajasthan

CERTIFICATIONS & ACHIEVEMENTS

Competitive Programming: Solved **150+ DSA problems** on LeetCode (**1656**) and Codeforces (**Pupil**)

Amazon ML Challenge 2025: Ranked **84th nationally** with **78% accuracy**

Adobe Hackathon 2025: Advanced to **Round 2** among **1,000+ teams**

Problem Solving: HackerRank — Certificate ID: 58611C22C52A

Executive Member, **Start-up Cell**