

# 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**

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

**Aug 2023 – May 2027**

*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**