

# YASHI TIWARI

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## Professional Summary

Software engineer with hands-on experience in distributed systems, full-stack development, and applied machine learning. Passionate about building scalable, production-ready applications with strong cross-functional collaboration.

## Education

**Shri Ramswaroop Memorial College of Engineering and Management (SRMCEM), Lucknow** Nov 2022 – July 2026

Bachelor of Technology in Computer Science and Engineering — CPI: 8.0/10.0

Lucknow, Uttar Pradesh

## Work Experience

**The Clinical Psychologist – CogNivia Project**

May 2025 – June 2025

Full Stack Developer Intern

Gorakhpur, Remote

- Led end-to-end development of CogNivia, a mental health platform with 3 dashboards and 25+ pages, accessed across 3 countries.
- Integrated JWT authentication, OTP login, and dual payment gateways (Razorpay + Stripe), automating 100+ test transactions with 100% success.
- Built real-time Socket.io chat and anonymous help desk, doubling session interaction.
- Collaborated directly with the psychologist-founder to convert clinical workflows into scalable technical systems, reducing manual effort by 40%.

**ROI Mantra**

Jan 2025 – Apr 2025

Software Engineer Trainee

Noida, Remote

- Delivered and optimized 4+ internal modules for ad performance tracking using JavaScript and REST APIs, reducing manual reporting by 35%.
- Shipped 3 client-facing analytics features in agile sprints, improving stakeholder response time by 25%.
- Contributed to 20+ code reviews and debug sessions, resolving 10+ production issues and accelerating QA cycles by 30%.

## Personal Projects

**TrackNex – Real-Time Delivery Tracking System** | Next.js, Express.js, MongoDB, Flask, Redis

June 2025

- Built a full-stack platform for delivery personnel and customers with WebSockets and MaplibreGL; achieved 98% location sync accuracy.
- Deployed a Flask-based ML service for ETA prediction using Random Forest ( $R^2 = 0.99$ ) on 15K+ samples.
- Architected REST APIs with JWT authentication and Redis caching, reducing latency by 40%.
- Deployed frontend/backend separately on Vercel and Render for modular CI/CD setup.

**PrepWise – AI Mock Interview Platform** | Next.js, Gemini AI, VAPI, Firebase, Vercel

April 2025

- Built a voice-interactive AI mock interview platform using Gemini AI + VAPI, with 95%+ retention in mock sessions.
- Designed UI using ShadCN UI and Tailwind CSS, reducing load time to **1.2s**.
- Enabled session continuity via Firebase Auth and Firestore; scaled to 500+ pilot users.
- Integrated quiz feedback system to measure performance improvement of 40%.

## Skills Summary

**Languages:** Java, Python, JavaScript, SQL

**Web & App Development:** React.js, Next.js, Tailwind CSS, ShadCN UI, Node.js, Express.js, Flask

**Databases & Caching:** MongoDB, PostgreSQL, Redis, Firebase Firestore

**Cloud & DevOps:** Vercel, Render, Git, GitHub, CI/CD

**AI & Data Science:** Gemini AI, Scikit-Learn, Pandas, Seaborn, VAPI

**Systems & APIs:** REST APIs, WebSockets, JWT Auth, TCP/IP, Distributed Systems, OOP

**Practices:** Agile (Scrum), Code Reviews, Cross-Functional Collaboration

## Certifications

- Data Science — IBM
- Python for Data Science — IBM
- Machine Learning — IBM

## Extracurricular Activities

- Coordinator – AKTU Zonals (Chess)** – Organized the Chess tournament for AKTU Zonal Sports Fest. Handled registrations, schedules, and ensured fair execution.
- Coordinator – 25th Anniversary Celebration, SRMCEM** – Managed event logistics, stage flow, and guest reception for SRMCEM's Silver Jubilee celebration.