

Ravi Yadav

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Professional Summary

Full Stack Developer with growing expertise in Machine Learning and AI, focused on building scalable web applications, backend APIs, and AI-driven workflows, with proven experience shipping production-ready features for real users.

Technical Skills

Languages: C++, Python, JavaScript, SQL
ML / AI: TensorFlow, Keras, Scikit-Learn, SHAP, RAG, NumPy, Pandas, Matplotlib, Streamlit, Gemini API
Frontend: React.js, Next.js, HTML, CSS, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, REST API Development, Authentication (JWT)
Databases: MongoDB, MySQL, PostgreSQL
Tools & Tech: Git, GitHub, Docker, Render, Vercel, Linux, Supabase, Playwright

Experience

Software Engineering Intern | LearnDevs Feb 2026 – Apr 2026

Python, Playwright, MySQL, React.js, Next.js, Tailwind CSS

- Built a **Python scraper using Playwright** to automate course data collection, maintaining **20,000+ courses** with scheduled cron jobs and a MySQL backend, eliminating manual data entry
- Implemented a **full blog system** with admin portal, rich-text editor, image upload, and **SEO-friendly slug routing** for streamlined content publishing
- Delivered an **admin dashboard** tracking 6+ platform metrics — courses, blogs, jobs, coupons — with bar and donut chart visualizations

Frontend Developer Intern | Eventviewz Oct 2025 – Nov 2025

React.js, Next.js, Tailwind CSS

- Contributed to a live platform serving **10K+ users** across **15+ events**, shipping production-ready UI features with minimal feedback cycles
- Built user-facing **event modules** and admin interface covering listings, detail views, and registration workflows

Projects

Hybrid Evolutionary ML Framework – Breast Cancer Diagnosis [GitHub](#) | [Live](#)

Python, TensorFlow/Keras, Scikit-Learn, SHAP, Streamlit, NumPy, Pandas

- Built a **Self-Adaptive Genetic Algorithm (SAGA)** reducing features from **30 to 11 (63% reduction)** on 569 clinical samples, achieving **98.53% fitness** across 60+ evolutionary generations
- Validated noise robustness by injecting 10–30% Gaussian noise; SAGA-optimized DNN maintained **94.74%+ accuracy** under maximum noise, outperforming the full 30-feature baseline
- Integrated **SHAP explainability** to quantify per-feature contributions and deployed a **Streamlit clinical simulator** with live patient input and real-time AI interpretability

Jadui Placement – AI Career Coach [GitHub](#) | [Live](#)

Next.js, FastAPI, Supabase, PostgreSQL, Gemini, Groq

- Built a full-stack placement prep platform using **Next.js 14** and **FastAPI** with **Supabase (PostgreSQL)** for auth, data persistence, and role-based access for students and admins
- Integrated **7 modular REST APIs** — AI resume parsing via Groq, mock interview generation and scoring via Gemini, and GitHub profile analytics
- Constructed a **4-axis Readiness Radar** aggregating resume quality, technical depth, interview performance, and consistency into a single placement-readiness score

EdTech Learning Platform [GitHub](#) | [Live](#)

React.js, Node.js, Express.js, MongoDB

- Launched a full-stack platform with **JWT-based auth** and **role-based access** (admin/user), deployed on Vercel with course management and progress tracking
- Designed and implemented **10+ REST API endpoints** for authentication, course management, and progress tracking

Education

Lovely Professional University
B.Tech in Computer Science and Engineering | CGPA: 8.79/10

Punjab, India
Aug 2024 – Present

Achievements

- **2nd Place, University Hackathon** – Built an AI complaint system using Speech-to-Text and Computer Vision for automated issue classification and priority handling
- **Top 1500, Google The Big Code 2026** – Cleared 2 rounds in a national-level coding competition
- **Bug Reports, LPU Website** – Found and responsibly reported 2 critical vulnerabilities: unauthorized access to internal documents and an exposed admin port of a live internal project
- **Open Source, Rajniti App** – Added slug-based routing replacing UUID URLs, improving readability and SEO indexing
- **Content & Community** – Managed **5,000+ member** student group; created tech content for **200K+ Telegram subscribers**