

Ravi Yadav

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SKILLS

Languages: C++, JavaScript, Python, Java
Frameworks/Concepts: HTML, CSS, React.js, DSA, OOPS
Tools/Platforms: MySQL, Postgres, Git, Github, Vercel, Docker
Soft Skills: Problem-Solving, Time-Management, Teamwork, Communication

EXPERIENCE

LearnDevs – Remote

Feb 2026 – Apr 2026

Software Engineering Intern

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

- Automated course data collection using a **Playwright-based Python scraper** with scheduled cron jobs, maintaining a MySQL backend of **20,000+ courses** and eliminating manual data entry entirely
- Engineered a full blog system with admin portal, rich-text editor, image upload pipeline, and **SEO-optimized slug routing**—enabling non-technical admins to publish and manage content independently

Eventviewz – Jalandhar, Punjab, India

Oct 2025 – Nov 2025

Frontend Developer Intern

React.js, Next.js, Tailwind CSS

- Built event listing pages, detail views, and end-to-end registration workflows as part of a platform serving **10K+ users** across **15+ live events**
- Designed and shipped the admin interface for event management, enabling operators to create, update, and monitor events with real-time visibility

PROJECTS

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

Jan 2026 – Feb 2026

Next.js 14, FastAPI, Supabase, PostgreSQL, Gemini, Groq, Vapi

- Architected a full-stack agentic career platform with **14 pages** across dual role systems (Student + Admin), backed by **7 modular FastAPI services** handling resume intelligence, mock interviews, GitHub analytics, PR review, and AI mentorship
- Engineered an AI interview pipeline using Gemini with provider fallback logic, delivering adaptive question generation and per-answer scoring—integrated Vapi for real-time voice interview sessions with live AI feedback

PROTECTOS – Secure File Management System | [Live](#) | [Github](#)

Apr 2026 – May 2026

React.js (TypeScript), FastAPI, SQLAlchemy, SQLite, AES-256-GCM

- Implemented server-side **AES-256-GCM file encryption** with nonce-prepended ciphertext and automatic auth tag verification on decryption—invalid key or corrupted file triggers integrity failure before any data is exposed
- Deployed a multi-layer upload security pipeline: malware signature scanning (PE headers, ELF, EICAR, OLE macros, embedded JS/PHP), dangerous extension blocking, filename sanitization, and automatic quarantine with download and sharing disabled for flagged files

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

Apr 2026 – May 2026

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

ACHIEVEMENTS

- Amazon ML Summer School 2026** – Selected in top 2% of 1.4L+ applicants via nationwide ML & DSA assessment Jul 2026
- Top 1500, Google The Big Code 2026** – Cleared 2 rounds in a national-level coding competition Mar 2026
- 2nd Place, University Hackathon** – Built an AI complaint system using Speech-to-Text and Computer Vision for automated issue classification and priority handling Apr 2026
- Open Source** – hiring-agent #200: exponential backoff with jitter for Gemini rate limiting; sugarlabs #842: fixed pagination scroll with CSS scroll-margin; both merged to main Jun 2026

CERTIFICATES

45-Day Summer Training Program in Data Structures & Algorithms — Splen Technologies & Education Pvt. Ltd. Jul 2026

Generative AI for Beginners — Aakriti E-Learning Academy (Udemy) Aug 2026

EDUCATION

- Lovely Professional University** Punjab, India
Bachelor of Technology – Computer Science and Engineering; **CGPA: 8.76** Since July 2024
- Bhartiya Sr. Sec. School** Rewari, Haryana
Intermediate; **Percentage: 78%** April 2023 – March 2024