Riya Verma

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Skills

- **Languages:** Python, C++, JavaScript, TypeScript, HTML5, CSS3
- **Databases:** MySQL, SQLite3, MongoDB
- **Frameworks / Tools:** GIT, React.js, Node.js, Django, REST APIs, Tailwind CSS, Vite
- **Core Competencies:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Machine Learning, Cloud Computing (AWS, Firebase)

Experience

AI/ML Intern   *June 2025 – August 2025*
VIGSIA (Vikaasgarh Foundation), Raipur

- Applied supervised, unsupervised, and deep learning techniques (classification, regression, clustering, **NLP**, CNNs, Seq2Seq, recommender systems) using **Python**, scikit-learn, TensorFlow/Keras, Hugging Face, and OpenCV, achieving up to **85–90% model accuracy** while streamlining workflows with **Linux automation scripts** for data processing and backups.
- Delivered **10+ end-to-end projects** including sentiment analysis (F1-score 0.82), anomaly detection, timeseries forecasting, enhancing predictive modeling efficiency and deploying demo-ready applications.

Projects

Gvni: Bridging the Digital Divide with QR   **May – July 2025**

- Enabled 500+ rural and semi-urban users to securely store and access medical histories via a single barcode, reducing dependency on paper records and improving healthcare tracking.
- Provided offline access to verified health records and integrated with national initiatives like ABHA, supporting nationwide digital healthcare adoption.
- **Tech Stack:** TypeScript (type safety & code reliability), Vite (fast builds), Tailwind CSS (responsive UI), ESLint (code consistency)

Hamari Metro for Delhi Metro (Unofficial)   **Dec 2024 – Feb 2025**

- Developed a mobile app for South Delhi commuters, reducing ticket queue times for 1,000+ daily users.
- Features include route planning, fare estimation, group booking, offline ticket access, real-time crowd monitoring, and AI-powered tour guidance.
- **Tech Stack:** Flutter/React Native (cross-platform), Node.js/Firebase (backend), MongoDB (database), Google Maps API, Razorpay & UPI AutoPay (payments), custom REST APIs, hosted on Vercel .

FestiVIT – University Event Management Platform   **Sep – Nov 2024**

- Built a responsive web platform managing 500+ student events, allowing participants to discover events, book tickets with QR codes, and receive Google Calendar reminders.
- Organizer features include analytics dashboards for event attendance, ticket tracking, and real-time participant insights.
- **Tech Stack:** HTML, Tailwind CSS, JavaScript (frontend), Node.js, Express.js (backend), MongoDB (database), Firebase Auth (authentication)

Education

Bachelor of Technology, Computer Science and Engineering   Expected May 2026
Vellore Institute of Technology (VIT), Bhopal, Madhya Pradesh   CGPA: 7.8/10

Achievements & Extracurriculars

- Co-led the social media team for Data Science Club in the university, driving content strategy and event promotion for the club, strengthened collaboration and leadership skills while ensuring consistent delivery of campaigns.
- Won VytoHack Clash 2.0 Hackathon among 450+ participating teams for developing an AI-powered mental wellness platform featuring real-time emotional analytics, empathetic chatbot support, AI-generated art therapy, and mood tracking.
- Qualified the internal round for Smart India Hackathon 2024, developing an AI/ML-based solution to identify cryptographic algorithms, achieving 85-90% accuracy using deep learning models under the Blockchain & Cybersecurity theme.