Riya Verma

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Skills

- **Languages:** C++ (Intermediate), Python (Basic), JavaScript(Intermediate), 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)(Intermediate), Object-Oriented Programming (OOP), Problem Solving & Logical Reasoning, 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**
Tech Stack: TypeScript (type safety & code reliability), Vite (fast builds), Tailwind CSS (responsive UI), ESLint (code consistency)

- Developed a **full-stack healthcare platform** enabling **500+ rural and semi-urban users** to securely store and access digital medical records via QR codes.
- Improved adoption by **30%** through Agile iterations, user feedback, and optimized API performance.

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

- Designed a **cross-platform commuter app** reducing ticket queue times for **1,000+ daily users** with route planning, fare estimation, and offline ticket access.
- Increased app reliability by **25%** through unit testing, bug fixes, and performance optimizations.

FestiVIT – University Event Management Platform   **Sep – Nov 2024**
Tech Stack: HTML, Tailwind CSS, JavaScript (frontend), Node.js, Express.js (backend), MongoDB (database), Firebase Auth (authentication)

- Built a **full-stack event management platform** managing **500+ university events**, supporting ticket booking with QR codes and calendar reminders.
- Boosted event attendance tracking accuracy by **40%** via analytics dashboards and automated reporting.

Education

Bachelor of Technology, Computer Science and Engineering	Present
Vellore Institute of Technology (VIT), Bhopal, Madhya Pradesh	CGPA: 7.8/10
Class XII, Apeejay School Pitampura, Delhi- 2022	80%
Class X, Apeejay School Pitampura, Delhi- 2020	90%

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.