

Riya Verma

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SKILLS & EXPERTISE

Technical Skills: C++ (Intermediate), Python (Basic), JavaScript, TypeScript, React.js, Node.js, REST APIs, MySQL, Linux, GIT

Core Competencies: Data Structures & Algorithms (DSA) (Intermediate), Problem-Solving, Data Analysis

Soft Skills: Teamwork, Leadership, Communication, Analytical Skills, Adaptability

EXPERIENCE

AI/ML Intern

VIGSIA (Vikaasgarh Foundation), Raipur

June 2025 - August 2025

- Developed **AI/ML models** that enhanced operational **accuracy by up to 80%** & aided **data-driven decision-making**.
- Automated data processing** and backup workflows using **Linux automation** scripts, reducing manual intervention by **40%** and improving **data governance**.
- Delivered over **10 end-to-end** projects, including a sentiment analysis model with an **F1-score of 0.82** and an **anomaly detection system**, which provided critical **business intelligence** and improved decision-making processes.

PROJECTS

Gvni: Bridging the Digital Divide with QR

May 2025 - July 2025

Techstack: TypeScript, Vite, Tailwind CSS, ESLint, IndexedDB, SQLite

- Developed a secure single-barcode healthcare identity system for **100+ rural/semi-urban users**, ensuring front-to-back lifecycle management of sensitive medical records.
- Implemented **offline-first capabilities** with IndexedDB/SQLite, driving **operational resilience and business continuity** in low-connectivity regions.
- Strengthened **risk management and compliance** by securing personally identifiable medical data, **reducing paper dependency by 70%**.

Hamari Metro for Delhi Metro (Unofficial)

December 2024 – February 2025

Techstack: Flutter/React Native, Node.js/Firebase, MongoDB, Mapbox API, custom REST APIs

- Built a **mobile operations platform** for 500+ commuters, streamlining **ticket booking, payment processing, and lifecycle validation** workflows.
- Integrated **real-time crowd monitoring and route optimization**, applying **business intelligence to enhance client experience**.
- Designed and deployed **secure transaction flows** using Paytm Business API and custom REST APIs, ensuring seamless **front-to-back execution with risk oversight**.

EDUCATION

Bachelor of Technology, Computer Science and Engineering

CGPA: 7.8/10

Vellore Institute of Technology (VIT), Bhopal

September 2022 – Present

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 the **Data Science Club**, demonstrating strong **leadership and communication skills** in driving content strategy and promoting events to the university community.
- Won the VytoHack Clash 2.0 Hackathon** for developing an **AI-powered mental wellness platform**, showcasing

innovative **problem-solving** and a commitment to delivering high-impact solutions under pressure.

- **Qualified** the internal round for the **Smart India Hackathon 2024** with an **AI/ML-based solution** for cybersecurity, highlighting a strong sense of **intellectual curiosity** and a proactive approach to addressing complex challenges.