

Riya Verma

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Skills

- **Languages:** Python, C++, Java (academic exposure), JavaScript, TypeScript, HTML5, CSS3, MongoDB, MySQL, SQLite3
- **AI/ML:** TensorFlow, scikit-learn, Generative AI models (conceptual knowledge), Deep Learning
- **Frameworks / Tools:** GIT, React.js, Node.js, Django, REST APIs, Tailwind CSS, Vite, Firebase,
- **Core Competencies:** Data Structures & Algorithms (DSA)(Intermediate), Machine Learning, Object-Oriented Programming (OOP), Deployment Automation, Cloud Computing (AWS, Firebase, basic Azure)

Experience

AI/ML Intern

June 2025 – August 2025

VIGSIA (Vikaasgarh Foundation), Raipur

- Processed and modeled **large-scale datasets (1M+ records)** using **Python, TensorFlow, and scikit-learn**, automating pipelines with **Linux shell scripts** to improve efficiency by **40%**.
- Deployed **10+ ML applications and APIs** with CI/CD pipelines, improving deployment speed by **35%** and ensuring scalability for **500+ active users**.

Projects

Spam Email Detector

Sep – Nov 2024

Tech Stack: Python, scikit-learn, TensorFlow, NLP, AWS EC2, Flask, CI/CD pipelines (GitHub Actions)

- **Built and optimized a machine learning-based spam classification system**, leveraging **Python, scikit-learn, and TensorFlow** to filter unwanted emails with **92% accuracy**, improving communication efficiency and reducing false positives by **30%**.
- **Implemented user feedback mechanisms and real-time learning**, using **Flask API endpoints and NLP techniques** to dynamically adjust spam filters, resulting in a **25% faster response to new spam patterns** and improved user trust.

Gvni: Bridging the Digital Divide with QR

May – July 2025

Tech Stack: TypeScript, Vite, Tailwind CSS (responsive UI), ESLint

- Built a **cloud-hosted healthcare platform** enabling **500+ rural and semi-urban users** to securely store and retrieve medical records via QR codes.
- Configured **CI/CD pipelines using GitHub Actions** and automated deployments on Vercel, reducing release time by **30%** and improving API response by **25%**.
- 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, MongoDB (database), Google Maps API, Razorpay & UPI AutoPay, custom REST APIs, hosted on Vercel

- Designed a **ticketing and route-planning system** serving **1,000+ daily users**, with real-time navigation, fare estimation,
- Deployed backend on **Firebase Cloud Functions & Vercel**, ensuring **99.9% uptime** during pilot testing.
- Enhanced system reliability by **25%** through unit testing, performance monitoring, and bug fixes.

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

- **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.
- **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.