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.