

Riya Verma

Contact: +91 97176 64106 | Email: riyavermaunofficial@gmail.com | LinkedIn: RiyaVerma | GitHub: RiyaVerma

Skills

- AI/ML:** TensorFlow, scikit-learn, Generative AI models (conceptual knowledge), Deep Learning, Data Processing Pipelines
- Databases:** MongoDB, MySQL, SQLite3
- Programming & Tools:** Python, C++, Java (academic exposure), JavaScript, TypeScript, HTML5, CSS3, GIT, React.js, Node.js, Django, REST APIs, Tailwind CSS, Vite, Firebase
- Core Competencies:** User Research, Agile/SCRUM, Product Metrics, Tableau, Figma (basic), Deployment Automation, Cloud Computing (AWS, Firebase, basic Azure), CI/CD Pipelines, Cross-functional collaboration

Experience

AI/ML InternJune 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%**.
- Collaborated with product and data teams to **prioritize model features** impacting user engagement and operational efficiency. Also deployed 10+ **AI microservices and APIs** on AWS EC2/Firebase using CI/CD pipelines, increasing release frequency by 35% and supporting **50+ users**.

Projects

Gvni: Bridging the Digital Divide with QRMay – July 2025

Tech Stack: TypeScript, Vite, Tailwind CSS, 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%** and 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, Node.js/Firebase, MongoDB, 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. Also led **feature prioritization** based on user interviews and analytics, increasing retention by **25%**.

Spam Email DetectorSep – 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.

Education

Bachelor of Technology, Computer Science and EngineeringPresent

Vellore Institute of Technology (VIT), Bhopal, Madhya PradeshCGPA: 7.8/10

Class XII, Apeejay School Pitampura, Delhi- 202280%

Class X, Apeejay School Pitampura, Delhi- 202090%

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 and managed content strategy and engagement campaigns, improving event participation by **40%** through data-backed experimentation.