






Ruchita Verma

Software Developer and AI enthusiast

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Summary

Software Developer with hands-on experience in full-stack web development and a strong enthusiasm for learning and applying AI technologies.

Skills

Languagaes — C | Python | Java | JavaScript.
Web Development — HTML | CSS | JS | Flask | BootStrap
Machine Learning and Data processing — CNN | PyTorch | Keras | Tensorflow | Numpy | Matplotlib
Database and tools — MySQL | Firebase | Git | Github | Eclipse
DSA — Arrays | Linked Lists | Stacks | Queues | Trees | Hashing

Projects

Skin Disease Detector (Using CNN)

- Built and trained a **Convolutional Neural Network (CNN)** to classify images into 5 skin disease categories with 92% accuracy.
- Deployed the model using Flask, enabling **real-time image predictions** through a userfriendly interface


Flowchart Plagiarism Detection

- Designed a flowchart plagiarism detection system by combining **computer vision** and **structural feature extraction**, enabling comparison of diagram layouts extracted from PDF documents.
- Applied **feature-based similarity analysis** on flowchart components (nodes, connectors, spatial relationships) to identify plagiarized diagrams, achieving efficient detection without supervised model training.

Serene AI

- Built an **AI-powered mental health chatbot** using NLP, **sentiment analysis**, and **transformer-based models (BERT/GPT)** to provide real-time emotional support.
- Developed and deployed an **end-to-end AI/ML system** with **Python, Flask, and a responsive web UI**, enabling intelligent, context-aware conversations.

Professional Experience

05/2025 – 07/2025 Bhilai, CG	Full Stack Developer Intern VikaasGarh <ul style="list-style-type: none">• Designed and deployed a ready-to-launch website with modern UI, responsive design, and animations.• Improved user experience and site performance, reducing load times by 25%.• Took on additional roles as Social Media Manager & Content Writer, boosting engagement by 50% across platforms
2024 – 2024 Bhilai, CG	Web Development Intern Hustlers Originals (formally snipedia)  <ul style="list-style-type: none">• Collaborated with the team to design and launch a website for a new business venture.• Enhanced frontend responsiveness and usability by approximately 45%, leading to improved client satisfaction

Education

Btech in Computer Science and Engineering
Bhilai Institute of Technology , Durg
7.5 CGPA

10+2
Krishna Public School , Bhilai
10th - 94%
12th - 85%