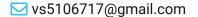
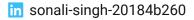
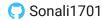
Sonali Singh









WORK EXPERIENCE

Mortgage Processing Center Inc.

Software Developer Jan 2025 - Present

- Developed and deployed full-stack web applications using Python (Flask), JavaScript, and MongoDB, tailored to internal business needs.
- Built Al-driven modules into web systems, enabling smart features like automated document analysis, data extraction, and real-time decision assistance.
- Integrated RESTful APIs and third-party services to connect scalable backend systems with dynamic frontend interfaces.
- Led efforts in **frontend optimization** and **responsive design**, improving usability and client satisfaction across platforms.
- Reduced manual workflows by 30% by creating intelligent automation tools for document verification and data validation.

EDUCATION

MGM College of Engineering and Technology, Noida

B.Tech in CSE (AI & ML) - 8.2 cgpa (Till 5th Sem)

2022 - 2026

PROJECT

LegiChain_AI - AI-Powered Smart Contract Platform [2]

2025

- Built a full-stack contract automation tool using Flask, MongoDB, and Hugging Face transformers for legal text classification and clause extraction.
- Achieved 92% accuracy in identifying critical clauses like termination, liability, and confidentiality using a fine-tuned BERT model.
- Integrated with Ethereum and IPFS to ensure tamper-proof storage, transparent version control, and decentralized approval workflows.

FingerPrint_Matcher [2]

2024

- Achieved 98% match accuracy by leveraging SIFT for robust fingerprint feature detection.
- Reduced matching time by 40% using FLANN-based nearest neighbor search for efficient comparisons.
- Ensured high-quality matches with a rigorous ratio test, filtering out false positives.
- Visualized keypoint correspondences with over 150 matched features per fingerprint pair for verification.

SKILLS

- Programming Languages: Python, Java, JavaScript
- AI/ML: Scikit-learn, TensorFlow, Keras, Hugging Face, Pandas, NumPy
- NLP: Transformers (BERT, RoBERTa), Text Classification, Named Entity Recognition
- Web Development: Flask, HTML, CSS, JavaScript, REST APIs
- Database: MySQL, MongoDB
- Version Control & Tools: Git, GitHub, VS Code, Postman

ACHIEVMENTS

- Solved over 1000+ questions on Leetcode & Geeksforgeeks.
- LeetCode Profile
- · Geeksforgeeks: GeeksforGeeks Profile
- Secured Elite performer position in DSA using Java course organized by IIT Kharagpur.
- Member of **DSA Core Team** in **GDG Oncampus** and Technical Society of College.