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Suraj Rothe
Software Developer

SUMMARY

Highly motivated B.Tech student deeply passionate about perpetual learning and venturing into the realm of computer science. Actively seeking collaborative opportunities to join dynamic teams and make significant contributions towards the creation of ground breaking solutions.

KEY SKILLS

TECH STACK - C, C++, Java, OOPs, Python, Django, Flask, Machine Learning, Google Cloud Platform, SQL, HTML, CSS, Javascript, React js, SQLite, Bootstrap, Web Development, Php , Git, Apache Server

RESEARCH / CONTRIBUTIONS

LAND RECORD SYSTEM

Developed a project that leverages blockchain technology to enhance transparency and security in the exchange of land title records between the public and government entities presented in GCRDCT-2022 and published in ITM WoC.

PROJECTS

CONSTRUCTION DETECTION - USING DEEP LEARNING

A deep learning-based web application designed to identify buildings in high-resolution satellite images.
- Python, Flask, CNN, VGG19, RESNET50, HTML, CSS, JAVASCRIPT, Bootstrap

INDIAN DIABETES RISK SCORE APPLICATION

A mobile-based application utilizing machine learning approaches that predicts diabetes and facilitates research in the field.
- Flutter, Dart, Firebase, KNN, RandomForest.

FOOD SUPPLY CHAIN

An enhanced traceability system for processed food products that builds consumer confidence and trust by ensuring transparency in their consumption.
- Solidity, Web3.py, Brownie, Ganache CLI, Machine Learning, Django, Python, HTML, CSS, Javascript, Bootstrap.

TEXT RECOGNITION AND SPEECH CONVERSION

A web-based application that is able to translate handwritten text into desired language as well as into desired speech and vice versa.
- Speech Recognition, Pytesseract, Flask, Python, HTML, CSS, JAVASCRIPT, Bootstrap

EDUCATION

B.Tech in Artificial Intelligence and Data Science
Vishwakarma Institute Of Technology

JAN 2021 - PRESENT
CGPA - 8.49

Diploma in Metallurgical Engineering
Government Polytechnic Pune

AUG 2018 - AUG 2021
AGG - 95.20%

ACHIEVEMENTS

Winner - TomTom Next Hackathon 2022
Awarded for developing and presenting the most innovative idea of creating a shortest path application using the TomTom API and Flutter

Grand Finalist - Smart India Hackathon 2022
Recognized as a grand finalist in the prestigious Smart India Hackathon 2022 for successfully developing and implementing a cutting-edge Land Record System project.