

SARANDEEP SINGH SOHIL

Subhash Nagar, New Delhi

📞 +91-9541133162

✉️ sarandeepsingh9596@gmail.com

LinkedIn

Github

EDUCATION

B.Tech - Jaypee Institute of Information Technology, Noida

B.Tech - Computer Science and Engineering - CGPA - 6.8

Senior School - Vijay Higher Secondary School, Jammu

Percentage - 93.6

High School - Govt. High School Ramsoo, Jammu and Kashmir

Percentage - 7.30

2022 – 2026

Noida, Uttar Pradesh

2021 – 2022

Udhampur, Jammu and Kashmir

2018 – 2019

Ramban, Jammu and Kashmir

EXPERIENCE

Design Duh! ↗

Role - Frontend Developer

June 2025 - August 2025

Telangana, Hyderabad

- Developed and maintained responsive React.js components from Figma designs, improving UI speed by 30%.
- Integrated RESTful APIs with state management (Hooks/Context API) and error boundaries, enhancing reliability.
- Strengthened skills in JavaScript (ES6+), React, Tailwind CSS, Git, and API integration through full-cycle frontend development.
- Collaborated in Agile/Scrum teams to deliver three feature releases on schedule.

Minor Project – Jaypee Institute of Information Technology

January 2025 – May 2025

FakeDetect – Deepfake Image Detection System ↗

- Built a deep-learning web app using MobileNetV2 CNN, achieving 95% validation accuracy in detecting AI-generated images.
- Developed a responsive React.js frontend with image upload features, integrated with FastAPI backend for real-time inference. Implemented Grad-CAM visualization for model interpretability.
- Deployed on Render Cloud with REST endpoints and performance monitoring for public access.

PROJECTS

Zenify Your Life ↗ | React.js, FastAPI, Python, scikit-learn, Random Forest, NLP, Render

August 2024

- Developed a personalized web app that predicts user stress levels using NLP and a Random Forest model.
- Built a React.js dashboard integrated with FastAPI for real-time wellness insights.
- Applied data preprocessing (tokenization, TF-IDF) and optimized model hyperparameters, improving accuracy and response time.
- Deployed full-stack application on Render Cloud for responsive, reliable multi-user access.

SpyLock ↗ | Python, OpenCV, Tkinter, smtplib, Multithreading

April 2025

- Built a desktop security system detecting unauthorized access and locking the system with a fullscreen password prompt.
- Captured real-time webcam images via OpenCV and triggered lockout after three failed login attempts.
- Configured Gmail SMTP automation to send email alerts with intruder images for remote monitoring.
- Optimized multithreaded event handling and animated UI warnings for smooth, real-time tracking without performance lag.

Crop Prediction ↗ | Python, Flask, HTML, CSS, scikit-learn, Render

2025

- Developed a machine-learning web app that predicts the most suitable crop to cultivate based on soil nutrients and climatic parameters.
- Trained and fine-tuned a classification model on agricultural datasets to support data-driven decisions for farmers and agronomists.
- Built a Flask-based API integrated with a responsive web interface and deployed the full system on Render Cloud for public accessibility.

TECHNICAL SKILLS

Development: React.js, JavaScript, HTML5, CSS3, FastAPI, Node.js, Express.js, MongoDB, Responsive Design

Machine Learning / Data: Python, TensorFlow, CNN, MobileNetV2, Grad-CAM, Deep learning, OpenCV, NLP

Tools & Soft Skills : Git & GitHub, Jupyter, Render, VS Code, Postman, Figma, DSA & Problem Solving, Leadership

Languages: C++, JavaScript, Python, SQL

EXTRACURRICULAR

- National Cadet Corps (NCC) candidate.
- Represented College Cricket Team at Jaypee Institute of Information Technology