

# SARANDEEP SINGH SOHIL

Subhash Nagar, New Delhi

☎ +91-9541133162

✉ [sarandeepsingh9596@gmail.com](mailto:sarandeepsingh9596@gmail.com)

🌐 [Linkedin](#)

🐙 [Github](#)

## EDUCATION

**BTech - Jaypee Institute of Information Technology, Noida**

**2022 – 2026**

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

*Noida, Uttar Pradesh*

**Senior School - Vijay Higher Secondary School, Jammu**

**2021 - 2022**

*Percentage - 93.6*

*Udhampur, Jammu and Kashmir*

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

**2018 - 2019**

*Percentage - 7.30*

*Ramban, Jammu and Kashmir*

## EXPERIENCE

**Design Duh! **

**June 2025 - August 2025**

*Role - Frontend Developer*

*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 logout 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