

# Divyanshu Chauhan

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## Professional Summary

- Innovative AI and ML professional with 1+ years of experience developing intelligent, scalable solutions. Blending strong software engineering fundamentals with creative problem-solving to build applications that make a measurable impact.

## Technical Skills

- Programming Languages:** Python, JavaScript
- Frameworks. Tools and Libraries:** Git, SQL, React.js, Next.js
- Front & Backend Technologies:** HTML, CSS, Node.js, Express.js

## Projects

<b>Genre AI</b> [Music Genre Transformation]	July 2024 - April 2025
<ul style="list-style-type: none"><li>Engineered a MIDI-based genre transformation pipeline using GANs and Magenta’s MusicVAE for style embedding, integrating Librosa and Spleeter for harmonic feature extraction. Achieved realistic cross-genre audio synthesis through adversarial training and chroma-based conditioning.</li></ul>	
<b>Symphonic AI &amp; ML Based Orchestra</b>	Nov 2022 – Feb 2023
<ul style="list-style-type: none"><li>Designed a browser-based virtual orchestra using PoseNet and TensorFlow.js, enabling real-time posture detection to control live-recorded instrument audio interactively.</li></ul>	
<b>Crop Doctor</b> [Crop Disease Detection using Machine Learning]	Nov 2023 - May 2024
<ul style="list-style-type: none"><li>Built a Progressive Web App (PWA) using Python, TensorFlow, and Flask for automated disease detection across 200+ plant species, integrating self-learning capabilities and government verification workflows.</li></ul>	

## Experience

### Front-End Development Intern

**Outlier** | Dec 2024 – March 2025

- Implemented advanced AI algorithms to enhance code quality, automate debugging processes, and significantly boost team productivity in remote development environments..

**Xorblin** | Aug 2024 – Oct 2024

- Designed and built interactive web applications with a focus on UI/UX.

## Education

### B.Tech. in Computer Science (Specialization in AI&ML)

Vellore Institute of Technology, India / 2021–2025

### Sai Public School, Kashipur (CBSE)

Class XII / 2019–2020

### Mount Sinai School, Ramnagar (ICSE)

Class X / 2017–2018

## Certifications

- Certification in Java SE11 on Oracle Cloud.
- Facial Expression Recognition with PyTorch, Coursera Project Networks.
- HTML, CSS, JavaScript for Web Developers, John Hopkins University through Coursera.
- Certificate in NPTEL (Privacy and Security in Online Social Media).