Divyanshu Chauhan

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Professional Summary

- A results-oriented Computer Science student specializing in AI & Machine Learning with hands-on experience in both front-end web development and data-driven model creation. Proven ability to translate complex problems into functional, user-friendly applications using technologies like React, JavaScript, Python, and TensorFlow. Eager to apply a strong foundation in software engineering and a passion for continuous learning to solve challenging problems in a professional environment.

Education

B.Tech. in Computer Science (Specialization in AI & ML)
Vellore Institute of Technology, Bhopal **/ 2021–2025**

Experience

AI & ML Model Trainer Intern | Outlier **|** *Dec 2024 - March 2025*

- Developed and implemented advanced AI algorithms to analyze code, leading to the automation of debugging processes.
- Contributed to a significant boost in team productivity by creating data-driven tools for a remote development environment.

Front-End Web Developer Intern | Xorblin| *Aug 2024 – Oct 2024*

- Designed and built responsive, interactive web applications with a primary focus on creating an excellent user experience (UI/UX).
- Collaborated with a team to translate design concepts into functional products using React, HTML, CSS, and JavaScript.

Projects

GenreAI - Music Genre Transformation | July 2024 - April 2025

- Engineered a MIDI-based genre transformation pipeline using GANs and Magenta's MusicVAE for style embedding, integrating Librosa and Spleeter for harmonic feature extraction. Successfully achieved realistic cross-genre audio synthesis through adversarial training and chroma-based conditioning.

Crop Doctor - Predictive Disease Modeling | *Nov 2023 - May 2024*

- Crop Disease Detection using Machine Learning.
- 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.

Symphonic AI - Interactive Virtual Orchestra | Nov 2022 - Feb 2023

- Designed a browser-based virtual orchestra using PoseNet and TensorFlow.js, enabling real-time posture detection to control instrument audio.

Technical Skills

- **Languages:** Python, JavaScript, Java, HTML, CSS, SQL
- **Frameworks & Libraries:** React.js, Node.js, Express.js, TensorFlow, Scikit-learn, Pandas
- **Tools & Databases:** Git, MySQL

Certifications

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