

HIMANSHU SINGH

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EDUCATION

Noida Institute of Engineering and Technology, Greater Noida
B.Tech in Computer Science and Engineering (Data Science Specialization)

Jun 2022–Present
3rd Year (Ongoing)

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS

Frontend Development: React, React TypeScript, Next.js

AI/ML: Machine Learning, Deep Learning, NLP, Neural Networks, Generative AI

Creative Tools: Blender, Unreal Engine

Other: Data Visualization, Web Development, Android Development

PROJECTS

AI-Based Learning Platform (OminiLearn)

Jan 2024–Present

- Developed an AI-powered learning platform to enhance education through intelligent recommendations and automation.
- Utilized Next.js for the frontend, integrated with a backend for personalized learning experiences, and leveraged AI models for content recommendations.

Portfolio Website

Dec 2023

- Designed and developed a personal portfolio website to showcase projects and skills.
- Built using Next.js, React, and TypeScript, with a focus on responsive design and modern UI/UX principles.

Malaria Detection Using Machine Learning

Aug 2023

- Created an ML model to detect malaria from medical images with high accuracy.
- Used Python, TensorFlow, and deep learning techniques to train the model on a dataset of cell images.

Android App for Malaria Detection

Sep 2023

- Developed an Android app that captures prism images of blood samples to detect malaria infection.
- Integrated the ML model for real-time analysis, providing users with instant results on infection status.

ACHIEVEMENTS

- Currently working on deploying a multi-feature website on Vercel, integrating frontend and backend functionalities.
- Actively contributing to open-source projects in AI and web development on GitHub.
- Participated in coding competitions and hackathons, focusing on AI/ML and web development solutions.
- Learning and experimenting with 3D modeling and game development using Blender and Unreal Engine.

INTERESTS

3D Modeling & Game Development, Photography & Editing, Video Editing, Reading