

# Nikhil Lercha

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## Education

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**VIT Bhopal University**, B-Tech in Computer Science

August 2022 – Present

- CGPA: 7.8/10.0
- **Coursework:** Computer Architecture, Data Structures & Algorithms, Operating Systems

**Kendriya Vidyalaya Sangathan (KVS)**

April 2008 – June 2021

- **Class 12th:** 83%
- **Class 10th:** 81.2%

## Skills

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**Tech Skills:** Python, Java, C++ , JavaScript, Next.js, React, Spring, Spring Boot, Django, SQL, OOPs, DSA, Version Control (Git, GitHub)

**Soft Skills:** Problem-Solving, Teamwork Adaptability, Effective Communication

## Experience

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**Backend Developer**, EPICS Project

Nov 2024 – Present

- Developing an AI-driven soil analysis platform as an **experimental college project**, fulfilling course requirements while enhancing precision agriculture.
- Optimized soil data processing through innovative API designs, achieving a 25% reduction in latency; this enhancement allowed for quicker adjustments in crop strategies based on real-time environmental conditions.

**Team Member**, Chainlink Hackathon

Nov 2023 – December 2023

- Engineered a pioneering blockchain-based crowdfunding platform, "Fundgy," securing a **top 50 position out of 180 teams** in a high-stakes hackathon.
- **Built decentralized smart contracts**, ensuring secure and transparent crowdfunding.
- Optimized blockchain transactions, enhancing speed and security..

## Projects

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**Fundgy**

- Developed a blockchain-powered crowdfunding platform with secure smart contract integration, ensuring transparent and tamper-proof transactions.
- Tools Used: JavaScript, React, Solidity, MetaMask

**Bird-AI**

- Engineered a generative AI platform leveraging advanced NLP and diffusion models to create high-quality text, prompts, and images from user input.
- Tools Used: TypeScript, JavaScript, CSS

## Certifications

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- The Bits and Bytes of Computer Networking
- Nptel Cloud Computing - IIT Kharagpur