

LAKSHMI NIKHITHA YALAVARTHI

Aspiring Software Engineer — Web Developer — Data Analyst

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LinkedIn Profile | GitHub Profile

Summary

Enthusiastic and curious Computer Science student with an interest in software development and full-stack engineering. Experienced in Java, Python, HTML/CSS, and React. Enjoys building useful projects and exploring new technologies.

Education

Vellore Institute of Technology (VIT)	2022 – 2026
<i>B.Tech in Computer Science</i>	<i>CGPA: 8.77/10</i>
Vignan Girls Junior College	2020 – 2022
<i>Intermediate (BIEAP)</i>	<i>Score: 97.9%</i>
Vignan High School	2019 – 2020
<i>10th Class (CBSE)</i>	<i>Score: 86.8%</i>

Projects

Portfolio	HTML, CSS, JavaScript
<ul style="list-style-type: none">– Showcases work, achievements, and skills as a digital resume.– Responsive design, interactive project sections, and contact form.	
Predicting Fleet Fluid Mechanism	Random Forest, Flask
<ul style="list-style-type: none">– Designed an AI model to predict fuel needs based on distance, speed, and temperature.– Enhanced fuel efficiency forecasting for fleet operations.– Used real-time data and ML to improve prediction accuracy.	
Finance Platform	Next JS, CSS
<ul style="list-style-type: none">– Built full-stack finance dashboard with auth and responsive UI.– Integrated Gemini AI for receipt scanning and insights.	

Publications

Predicting Student Dropout Rates Using District-Level Educational and Socioeconomic Indicators
<ul style="list-style-type: none">– Explored socioeconomic and educational indicators to predict dropout likelihood.– Strengthened academic writing, data interpretation, and visualization skills.

Certifications

- Oracle Cloud Infrastructure Generative AI Professional – July 2025
- Corizo Web Development – Aug 2024
- Artificial Intelligence using Google TensorFlow – July 2024

Skills

- **Programming Languages:** Java, Python, C
- **Web Technologies:** HTML, CSS, JavaScript, Flask
- **Databases:** MySQL, PostgreSQL
- **Tools/Platforms:** Git, Google Colab, VS Code, Canva, Jupyter
- **AI/ML Frameworks:** TensorFlow
- **Cloud DevOps:** Linux (basics)
- **Soft Skills:** Problem-solving, Collaboration, Communication, Time Management