

Vaishnavi Singh Parihar

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EDUCATION

Vellore Institute of Technology

2022 – 2026

B.Tech in Computer Science and Engineering – CGPA: 7.32/10

EXPERIENCE

GenAI Intern — Google Cloud Generative AI

Nov'25 – Jan'26

SmartBridge & SmartInternz

- Worked with generative AI concepts using Google Cloud-based tools and workflows.
- Designed prompt-driven interactions and explored LLM behavior in applied scenarios.
- Gained exposure to scalable AI system design and cloud deployment fundamentals.

Software Engineering Intern — E & ICT Academy, IIT Kanpur

Jun'23 – Jul'23

Python for Data Science

- Developed data-driven solutions using Python for analysis, preprocessing, and visualization.
- Applied NumPy and Pandas to clean, transform, and analyze real-world datasets.

PROJECTS

AutoSyntax — SaaS Code Editor

Dec 2025

Next.js 15, TypeScript, Convex, Clerk, Tailwind CSS, Lemon Squeezy

- Designed and developed a full-stack SaaS-based online code editor supporting execution of 10+ PL.
- Implemented real-time code execution feedback with structured success/error output handling for improved debugging.
- Integrated secure authentication using Clerk and implemented subscription-based monetization using Lemon Squeezy.

OCR Image-to-Text Converter

Mar 2025

Python, Flask, Tesseract OCR

- Developed a Flask-based web application to extract machine-readable text from uploaded images using OCR.
- Engineered backend pipelines for image preprocessing, text extraction, and structured result formatting.
- Implemented robust file validation, error handling, and edge-case management to ensure reliable user experience.

Mental Health Support Prediction Model

Dec 2024

Python, Flask, scikit-learn

- Designed and implemented a machine learning-based system to predict depression severity from structured input data.
- Trained and evaluated multiple classification models using scikit-learn to identify optimal prediction performance.
- Deployed the trained model within a Flask web application to support real-time user input and predictions.

SKILLS

Programming Languages

Java, Python, C++, HTML/CSS, Javascript

Web Technologies

JavaScript, React, Next.js, Node.js, MySQL

Developer Tools & Cloud

GitHub, Docker, AWS

Languages

English, Hindi

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Fundamentals of AI and ML
- Cyber Security Analyst
- Prompt Design in Vertex AI

- Google Cloud Generative AI
- Python for Data Science
- Salesforce Developer
- Git & GitHub for Beginners

Interests: Editing, Yoga, Sports, Gaming, Reading