

Yash

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EDUCATION

VIT Bhopal University

BTech. Computer Science and Engineering CGPA: 8.86/10

Bhopal , India

Sept 2022 – May 2026

Arya Senior Secondary School

CBSE 10th (2020): 94% CBSE 12th (2022): 91.6%

Karnal , Haryana

WORK EXPERIENCE

YBI Foundation

DEC 2024 – Jan 2025

Data Science and AI-ML intern

- Executed 10+ end-to-end data processing and predictive analytics workflows, analyzing 100+ data points to derive actionable insights from complex datasets.
- Developed and evaluated 5+ machine learning models, improving accuracy by 20-30% and optimizing performance metrics such as precision, recall, and F1-score.
- Applied Python libraries (e.g., Pandas, NumPy, Scikit-learn) for data manipulation, statistical analysis, and algorithm implementation, processing datasets up to 5 GB in size.

PROJECTS

Potato Disease Detection | *Python, Machine Learning, TensorFlow*

2023-2024

- Implemented a high-accuracy ML model for potato leaf disease detection with TensorFlow and OpenCV, achieving a 92% classification accuracy.
- Engineered an image preprocessing pipeline using OpenCV, increasing detection accuracy by 18% and reducing inference time by 25% through optimized algorithm design.
- Optimized a deep learning model for real-time disease prediction, achieving 92% accuracy on agricultural datasets and improving model inference speed by 30%.

Shopeasy | *HTML, CSS, Tailwind, JavaScript*

June 2024

- Implemented a secure and efficient system featuring synchronized locking protocols for online transactions, increasing transaction security by 40% and reliability by 30% on the e-commerce website..
- Employed HTML, CSS, JavaScript, and MySQL to develop a fully functional website,can handle 100+ daily transactions and ensuring 99.9% uptime.
- Streamlined front-end performance, reducing page load time by 40% and simplifying user interaction, leading to a 25% increase in user engagement.

TECHNICAL SKILLS

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

Frameworks: Tailwind CSS, TensorFlow, OpenCV

Tools: Gemini API , OpenAI API

Database: SQL

Version Control: Git

CERTIFICATES

- Bits and Bytes of Computer Networking** (Coursera) – Part of Google IT Support Professional Certificate
- NPTEL Cloud Computing** – Conducted by IIT Kharagpur (Prof. Soumya Kanti Ghosh)
- Learn C++ Programming -Beginner to Advance- Deep Dive in C++** (Udemy) – Abdul Bari
- Python essentials (VITYARTHI)**