

## Yash

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### EDUCATION

#### VIT Bhopal University

BTech. Computer Science and Engineering CGPA: 8.86/10

Bhopal , India

September 2022 – May 2026

#### Arya Senior Secondary School

CBSE 10th (March 2020): 94%

CBSE 12th (March 2022): 91.6%

Karnal , Haryana

### EXPERIENCE

#### BlueStock Fintech

March 2025 – Ongoing

SDE intern

- Developed responsive and accessible web pages using HTML, CSS, JavaScript, improving overall UI/UX and increasing engagement by 14%.
- Led feature enhancements, identified and resolved performance bottlenecks, achieving a 10% faster page load time across critical flows.
- Collaborated cross-functionally with UI/UX designers to revamp interfaces and improve web accessibility, resulting in a 15% boost in user retention.

### PROJECTS

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

December 2024 – January 2025

- 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 | React js

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.

#### Doctor Appointment System | MERN Stack

January 2024

- Built a full-stack appointment management system using MongoDB, Express.js, React.js, Node.js, with Twilio SMS integration and calendar sync functionality.
- Reduced query latency from 2.1s to 0.8s by optimizing MongoDB indexes and schema design during testing phase, enabling scalable and fast appointment search operations.
- Integrated JWT-based role authentication for doctors and patients, with protected routes and form validation, ensuring secure access and reducing invalid booking attempts by 25.%.

### TECHNICAL SKILLS

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

**Frameworks:** Tailwind CSS, OpenCV

**Tools:** Drizzle ORM, Neon, Clerk API, Gemini 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)

**Python Essentials:** VITYARTHI