

# YASH GHOTEKAR

Pune, Maharashtra

+91-8459454322

yash.22210210@viit.ac.in

LinkedIn

github

LeetCode



## EDUCATION

**Vishwakarma Institute of Information Technology, Pune**

*B.Tech – Electronics and Telecommunication – CGPA: 8.15*

2022 – 2026

*Pune, Maharashtra*

**Shree Mahaveer Jr. College**

*12th Grade – Percentage: 88.50%*

2021 – 2022

*Nashik, Maharashtra*

**P.T.V.K School**

*10th Grade – Percentage: 95.20%*

2019 – 2020

*Nashik, Maharashtra*

## TECHNICAL SKILLS

- **Languages:** C++, Java, JavaScript, Python, HTML, CSS
- **Databases:** MongoDB, MySQL
- **Frameworks:** React.js, Tailwind CSS, Node.js, Express.js
- **Tools:** Git, GitHub, VS Code, Postman, Vercel, Jira
- **Core CS:** DSA, OOP, REST APIs, OS
- **ML:** CNN, SVM, ResNet50, VGG19

## EXPERIENCE

**Intern – Stealth Startup**

Jul 2025 – Dec 2025

- Developed a responsive and feature-rich travel website using the MERN stack with smooth, dynamic UI/UX.
- Built reusable React templates for 7 unique destinations and added engaging interactive animations.
- Integrated MongoDB with scalable RESTful APIs for efficiently managing user data and trip details.
- Connected WhatsApp and email APIs to handle real-time customer inquiries and securely store leads.

*Remote*

**Intern – 9 BRD, Indian Air Force**

Jan 2025 – June 2025

- Worked on the project "Learning-Based Data Porting" under the guidance of Indian Air Force engineers.
- Analyzed Qmax (Python) and Universal TMCS (LabVIEW) ATE system architectures.
- Worked with demo data, setup LabVIEW environment, and learned automated PCB testing workflows.

*Pune*

## PROJECTS

**Metro Route Optimizer** | C++, Data Structures, Graph Algorithms

- Developed a C++ console application to find the most efficient routes in a metro network using Dijkstra's algorithm.
- Designed the metro map as a weighted graph using an adjacency list for optimal pathfinding performance.
- Utilized a priority queue to optimize the algorithm's performance, ensuring fast route calculations.
- Implemented features to calculate the shortest path by distance, fastest path by time, fare, and number of interchanges.

**Connectify – Real-Time MERN Video Calling Platform** | MongoDB, Express, React, Node.js

- Developed a real-time video calling and chat app with custom WebSocket-based communication.
- Implemented JWT-based authentication with secure login, onboarding, and protected routes.
- Enabled real-time messaging with reactions, file/image sharing, friend requests, notifications, and in-call chat.
- Improved performance and scalability using TanStack Query, reusable React hooks, and 32 dynamic UI themes.

**SARVisionNet – Hybrid CNN-SVM for Military Target Recognition** | Python, Deep Learning

- Trained CNN, ResNet, VGG19, and hybrid CNN-SVM models on the MSTAR SAR dataset for target classification.
- Replaced CNN Softmax with an SVM using squared hinge loss to improve generalization.
- Combined CNN feature extraction with SVM classification to achieve higher accuracy than baseline models.
- Improved automated military target recognition performance in SAR imagery through a robust hybrid approach.

## EXTRACURRICULAR

**Entrepreneurship Development Cell, VIIT, Pune**

Sep 2023 – Jun 2024

*Associate Marketing Head*

*Pune, India*

- Managed social media platforms and marketing campaigns to boost outreach and engagement.
- **Built and scaled Laptop Bajar** — an initiative to sell laptops via WhatsApp groups, improving tech access.