

YASH GHOTEKAR

Pune, Maharashtra

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EDUCATION

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| Vishwakarma Institute of Information Technology, Pune | 2022 – 2026 |
| B.Tech – Electronics and Telecommunication – CGPA: 8.15 | Pune, Maharashtra |
| Shree Mahaveer Jr. College | 2021 – 2022 |
| 12th Grade – Percentage: 88.50% | Nashik, Maharashtra |
| P.T.V.K School | 2019 – 2020 |
| 10th Grade – Percentage: 95.20% | Nashik, Maharashtra |

TECHNICAL SKILLS

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

EXPERIENCE

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| Intern – Stealth Startup | Jul 2025 – Dec 2025 |
| • Developed a responsive and feature-rich travel website using the MERN stack with smooth, dynamic UI/UX. | Remote |
| • 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. | |
| 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. | Pune |
| • Analyzed Qmax (Python) and Universal TMCS (LabVIEW) ATE system architectures. | |
| • Worked with demo data, setup LabVIEW environment, and learned automated PCB testing workflows. | |

PROJECTS

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| 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

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| 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 Bazar — an initiative to sell laptops via WhatsApp groups, improving tech access. | |