

# Abhinav Todmal

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Pune, Maharashtra - 411048 , India.



## SUMMARY

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Passionate **DevOps** enthusiast and full stack developer with hands-on experience in AWS, Linux, Shell Scripting, **Jenkins**, GitOps, Docker, **Kubernetes**, and **Terraform**. Skilled in building scalable web apps using Python ,C++, C, Java, and **OOP principles**. Proficient in REST APIs, database management, and solving LeetCode problems, demonstrating strong DSA and problem-solving skills. Implemented **CI/CD** pipelines to streamline testing and deployment processes.

## EDUCATION

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- **BRACT's Vishwakarma Institute of Information Technology.**

Pursuing B.Tech in Information Technology

- Current CGPA: 8.55/10.00

Sep 2022 - Aug 2026

Pune, India

- **Takshadnya Junior College of Arts , Commerce and Science , Aradgaon.**

HSC (Computer Science)

- Grade: 86.33%

Mar 2022

Ahilya Nagar, India

- **De-Paul English Medium High School , Rahuri Factory.**

SSC

- Grade: 92.40%

Mar 2020

Ahilya Nagar, India

## PROJECTS

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### Project A: Offline Pay App

Dec 2024

Tools : MongoDB, Express.js, React.js, Node.js, Twilio.



- Developed an innovative offline payment system, enabling seamless peer-to-peer transactions, **balance** inquiries, and **transaction history** access without internet connectivity.
- Integrated **Twilio** API for secure authentication and **SMS-based** transaction confirmations, enhancing reliability and security.
- Implemented **QR Code Scanning**, **UPI Payment Integration**, and **Offline Mode**, ensuring seamless financial transactions in low-connectivity environments.

### Project B: People Connect App

Feb 2025

Tools: MongoDB, Express.js, React.js, Node.js, TypeScript, Tailwind CSS, JWT, OpenStreetMap.



- Built a platform to **connect** volunteers with **NGOs** for event discovery, **registration**, and management. Implemented secure user authentication with **JWT** and **personalized dashboards**.
- Developed an organizer dashboard for NGOs to manage events easily. Integrated **OpenStreetMap** for **location-based** event visualization. Created **RESTful APIs** for smooth frontend-backend communication.

**Project C: Shell Script for User Management and Backup in Linux.**

Dec 2025

Tools: Linux OS -Ubuntu , Git Bash , Git and GitHub ,Text Editor -Vim.

- Automated user account and group management tasks, improving efficiency and accuracy.
- Developed an automated backup system, enhancing data security and integrity.
- Gained expertise in Linux system administration, Shell Scripting, and version control with GitHub.

**SKILLS**

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- **Programming Languages:** Java, C, C++, JavaScript.
- **Web Technologies:** HTML, CSS , Node.js , Express.js.
- **Database Systems:** MySQL , Mongo DB.
- **Cloud Technologies:** AWS.
- **DevOps & Version Control:** Git, GitHub , Jenkins , Kubernetes ,Terraform ,Linux , Shell Scripting.
- **Other Tools & Technologies:** Postman API.
- **Research Skills:** Literature Review, Data Analysis, Report Writing.

**HONORS AND AWARDS**

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- **Competition Achievement** April 2024
  - Competed in a hackathon hosted by Geeks for Geeks.
  - Demonstrated advanced problem-solving skills, enhanced collaboration and teamwork, and gained recognition in competitive programming.
- **Published Research on AI-Driven Tomato Ripeness Detection in Vertical Farming** Feb 2025
  - Co-authored a research paper on AI-powered tomato ripeness detection using YOLO model, published in the **Scopus-indexed** journal *Advances in Nonlinear Variational Inequalities*.

**Experience**

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- **Industry Project**
  - Designed and developed a web-based inventory management system of Sunshine Industry using HTML, CSS, JavaScript, Node.js, MySQL, and Express, featuring supplier management, stock tracking, and purchase order generation.

**CERTIFICATIONS**

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- **Ultimate AWS Certified Cloud Practitioner (CLF-C02)** Apr 2024
- **Networking Basics - Cisco NetAcad** Apr 2024
- **Full Stack Web development MERN Stack** Aug 2024
- **Udemy : Devops Beginners to Advanced with Projects** May 2025