

CHAITANYA UNDALE

Third-year Computer Science & Engineering (AI) Undergraduate

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[LeetCode](#)

EDUCATION

2022 - 2026 **B.Tech Computer Science & Engineering (AI)**
Vishwakarma Institute Of Information Technology, Pune

2020 - 2022 **Higher Secondary Schooling**
Mahatma Gandhi Junior College, Vita

2014 - 2020 **Secondary Schooling**
Mahatma Gandhi Vidyamandir, Vita

WORK EXPERIENCE

Neeti Learnings

Aug 2024 - Dec 2024

Industry Project

Developed a **Random Forest** and **XG-Boost** based churn prediction model to help businesses retain customers and prevent market share loss.

PROJECTS

Women Safety Route Recommendation System

Developed a **React** website using historical crime data and machine learning algorithms to suggest safe travel routes. Integrated SOS system to contact nearby Police stations and hospitals for enhanced safety.

AI-Based Smart Traffic Signal

Implemented an **AI** - driven traffic signal system using vehicle detection to dynamically adjust signal timing, reducing traffic congestion and fuel consumption.

PMPML Bus Tracking System

Developed a **React** based web application that provides real-time bus details, including available routes, stops, schedules, and ticket prices for given source and destination.

Deepfake Image Detection

Developed a **Machine Learning** based system in Python to detect manipulated (tampered) images, enhancing digital media authenticity.

RESEARCH/ PUBLICATIONS

Deepfake Image Detection Using Yolov8

Published in 2024 IEEE Pune Section International Conference (PuneCon)

Copyright Certificate

Received a copyright certificate for the project: PMPML Bus Tracking System

SKILLS

Programming Languages	Java, Python, C, C++
Web Development	JavaScript, React.js, Node.js, Express.js, Rest APIs, Bootstrap, Tailwing CSS, Flask
Databases	MongoDB, SQL, Firebase
Machine Learning	YOLO, CNN, OpenCV, Transformers, NLP, Random Forest, XG-Boost
Data Analysis	Tableau, PowerBI
Others	Object Oriented Programming(OOP), Data Structures and Algorithms(DSA), Github, Firebase
Soft Skills	Teamwork, Quick Learner, Problem Solving, Time Management

CERTIFICATIONS

- IBM Full Stack Software Developer
- Google Data Analyst
- AWS Academy Cloud Fundamentals

ACHIEVEMENTS

- My Team, ranked 1st/250 teams in the Smart India Hackathon internal round.
- Secured 5th rank in SoloCodex - DSA Based Hackathon.