

# MANDAR UDAY PATIL

Full Stack Developer

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## Summary

Innovative and results-driven Full-Stack Developer with hands-on experience in front-end and back-end technologies. Proven ability to maintain and enhance web applications using HTML, CSS, JavaScript, TypeScript, and Angular. Actively seeking a role within a dynamic and forward-thinking software technology environment, eager to leverage problem-solving skills and proficiency in web development to drive innovation and excellence.

## Skills

Programming languages: Java • JavaScript (ES5 & ES6) • C • C++ • Python

Web Development: HTML5 • CSS • AngularJS • React, Express.js • Node.js • Bootstrap

Database Management: MySQL • MongoDB

Tools & Frameworks: Git • GitLab • Docker • TypeScript

Methodologies: Agile Development • Object-Oriented Programming (OOP)

## Experience

EXFO, Pune

Pune, Maharashtra

Associate Engineer

06/2023 - 02/2024

- **Front-End Development:** Maintained the FMS website using HTML, CSS, SASS, JavaScript, TypeScript, and Angular 11+.
- **Feature Implementation:** Developed and deployed a PDF report generation feature, enhancing data accessibility by enabling users to download reports previously confined to OTDR trace files (.sor). This eliminated the need for specialized OTDR viewer software.
- **Log Rotation Optimization:** Reduced log space by 30% for three critical services by implementing log rotation cycles in JavaScript.
- **Microservices Orchestration:** Familiar with orchestrating microservices using Docker Swarm, ensuring efficient service management.
- **Version Control:** Managed version control using Git, including tasks such as branching, cloning, merging, rebasing, and managing repositories.
- **CI/CD Pipelines:** Managed Continuous Integration/Continuous Deployment (CI/CD) pipelines, ensuring production readiness.
- **Global Collaboration:** Worked with globally distributed teams across multiple time zones.

## Projects

Smart Traffic Management System

Nagpur, Maharashtra

2023

Short summary of your work

- **Traffic Analysis:** Developed a system to manage traffic flow by analyzing vehicle density using YOLO V5 and Python.
- **GUI Development:** Created a user interface using Tkinter Python to analyze video input and determine traffic rotation cycles.

The Classroom Project

Nagpur, Maharashtra

2022

- **Web Development:** Developed sign-in, sign-up, and messaging pages using the MERN Stack (JavaScript, MongoDB, Express.js, React, Node.js).
- **Course Management:** Implemented student and instructor access to courses using Firebase Firestore and Firebase Authentication.

## Training / Courses

Fellowship in Software Development (React + Spring Boot) — Crio.do

## Education

Visvesvaraya National Institute of Technology

Nagpur

Bachelor's in Electronics and Communication Engineering , Nagpur | GPA: 7.75/10

2019 - 2023