

Ajay M. Patil

[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

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SUMMARY

Mechanical Engineering graduate with skills in Java, Data Structures and Algorithms (DSA), front-end engineering, and data science. Possess strong analytical and problem-solving abilities. Experienced in developing efficient software solutions, creating intuitive user interfaces, and analyzing complex datasets for data-driven decision-making. Seeking opportunities to leverage my multidisciplinary skills in a dynamic environment focused on innovation and excellence.

TECHNICAL SKILLS

Languages : Python, C, Java, JavaScript, HTML, CSS
Libraries : Pandas, Numpy, Matplotlib, Seaborn
Tech Domain : Data Wrangling, Machine Learning, Deep Learning
Databases : MySQL
Dev Tools : Visual Studio Code, Jupyter Notebook

EDUCATION

R. C. Patel Institute of Technology, Shirpur <i>Bachelor of Technology in Mechanical Engineering CGPA - 8.74</i>	Maharashtra, India July 2019 – June 2023
SSVPs Junior Science College, Dhule <i>HSC - 62.77%</i>	Maharashtra, India June 2018 – March 2019
Adarsh Madhyamik Vidhyalaya, Kapadane Dhule <i>SSC - 89.40%</i>	Maharashtra, India June 2016 – March 2017

PROJECTS

<u>IMDB Clone</u>	<i>HTML, CSS, JavaScript</i>	Source Code
<ul style="list-style-type: none">Designed and developed a clean and modern website using HTML, CSS, and JavaScript.Utilized responsive design to ensure compatibility across all devices.Used TMDB API to get the latest data and search results.Deployed on GitHub pages via GitHub Actions.		
<u>Object Detection</u>	<i>YOLOv5, PyTorch, Deep Learning</i>	Source Code
<ul style="list-style-type: none">The project utilizes YOLOv5, a state-of-the-art object detection model, in conjunction with DeepSORT, a robust tracking algorithm, to achieve real-time person detection and tracking in video streams.The system is able to maintain high precision in identifying and tracking persons, even in crowded and complex scenes.Use cases of model ranging from small-scale surveillance systems to large-scale monitoring setups.		
<u>Diamond Price Prediction</u>	<i>Python, Machine Learning</i>	Source Code
<ul style="list-style-type: none">The goal is to predict 'price' of given diamond (Regression Analysis).There are 10 independent variables (including 'id'). by taking all the input's will predict the price of the diamondSimple linear regression with regularaization is used to train the model		

CERTIFICATIONS

- *Introduction to Java by Coding Ninjas*
- *MEGA ATV Championship Participation Certificate*
- *Programming for Everybody (Getting Started with Python)*
- *AI ML Foundation by Coursera*