Prathmesh Patil

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LeetCode: https://leetcode.com/u/pppatil_3p/ | GitHub: https://github.com/pppatil3p

Professional Summary

Computer Technology undergraduate with knowledge gained through academic coursework and hands-on projects. Familiar with software development, databases, and web technologies, with strong problem-solving skills and willingness to learn and grow.

Education

Yeshwantrao Chavan College of Engineering (YCCE), Nagpur
B.Tech in Computer Technology — Expected Graduation: June 2026

Indirabai Lalwani Madhyamik Vidyalay, Jamner, Jalgaon
HSC (12th Grade) — 65.67% | 2022
SSC (10th Grade) — 89.40% | 2020

Projects

Organ Classification for Surgical Applications in Laparoscopy | Final Year Project
- Developed a ResNet18-based image classification model to identify organs in laparoscopic images.
- Performed data preprocessing and augmentation to improve classification accuracy.
- Worked on model training, evaluation, and result analysis as part of the final year academic project.
- Aimed to support accurate decision-making during minimally invasive surgeries.
  Tech Stack: Python, scikit-learn, Pandas, NumPy, ResNet18

Nutrition Tracker | Full-Stack Web Application
- Built a full-stack nutrition tracking application with secure user authentication(JWT) and meal logging.
- Integrated Gemini 1.5 API to analyze calories and nutritional intake from user meals.
- Designed REST APIs using Node.js and Express.js with MongoDB for data storage.
- Improved diet tracking efficiency through automated nutrition analysis.
  Tech Stack: ReactJS, Node.js, Express.js, MongoDB, Gemini 1.5 API

Discount Impact & Profit Analysis | Data Analysis Project
- Analyzed sales, discount, and profit data using SQL queries and Python libraries.
- Identified loss-making discount ranges using aggregation and filtering techniques.
- Created visualizations using Matplotlib to understand discount–profit trends.
- Built interactive dashboards in Power BI to present insights and support data-driven pricing decisions.
  Tech Stack: SQL, Python (Pandas, NumPy, Matplotlib), Power BI

Skills

- **Programming Languages:** Java, Python
- **Databases:** MySQL, MongoDB
- **Web Technologies:** ReactJS, Node.js, Express.js
- **Tools**: Git, GitHub, Postman, Power BI
- **Libraries**: Pandas, NumPy, Matplotlib

Certifications and Achievements

- Solved 300+ problems on LeetCode and 140+ problems on GeeksforGeeks
- GeeksforGeeks – SQL Skill Up Certification.
- Infosys Springboard – Spring 5 Basics with Spring Boot.
- Infosys Springboard – Fundamentals of Software Engineering.
- Deloitte – Data Analytics Job Simulation.
- Udemy – Hands-On Python Machine Learning with Real-World Projects.