Piyush Palariya

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in LinkedIn   ⊙ Github   🌐 Portfolio-Website   </> Leetcode

Education

Sardar Vallabhbhai National Institute of Technology, Surat   **2023 – 2027**
- *B.Tech in Computer Science and Engineering | Roll Number: U23CS045*   *Surat, India*

Christ Church Convent Higher Secondary School, Gadarwara   **2022 – 2023**
- *Class 12 (MPBSE) | 89.2%*   *Gadarwara, India*

Technical Skills

- **Programming Languages:** C++ (Data Structures and Algorithms), Python
- **Scripting Languages:** JavaScript, TypeScript
- **Frontend Technologies:** Next.js, HTML, CSS
- **Backend Technologies:** Node.js, Express.js
- **Machine Learning:** Pytorch, ML Algorithms, NLP
- **Databases:** MySQL, PostgreSQL
- **Tools and Platforms:** GitHub, Vercel

Projects

- **Personal Job Matching Agent** | Personal Project   **Repo ⍾**
  - Designed an automated job matching system using NLP, Python, and cosine similarity scoring.
  - Built a sentence classification model to identify impactful resume and job description statements.
  - Achieved 91.44 percent accuracy in sentence importance classification using a custom-trained NLP model.
  - Trained TF-IDF models on 86K+ job description sentences to enhance semantic matching and keyword weighting.

- **AI Object Classifier** | Team Project   **Repo ⍾**
  - Designed Python-based dominant color classification system using HSV pixel mapping algorithm
  - Processed real-time IP webcam streams using OpenCV for continuous image acquisition
  - Built modular Python pipeline for preprocessing, masking, and dominant color computation
  - Implemented pixel-wise HSV range checks to identify and count dominant object colors

Achievements

- **LeetCode Problem Solving:** Solved over 410+ DSA problems, including 300+ on LeetCode
- **NPTEL Software Testing:** Achieved Top 5 percentile in Software Testing final examination
- **Intra-CSE Cricket Tournament:** Team member securing 1st Runner-Up position
- **JEE Advanced 2023:** All India Rank 18,532 among 1 Lakh+ candidates
- **JEE Mains 2023:** All India Rank 12,047 with 98.98 percentile
- **UCMAS National Championship:** Secured 1st place in national-level mental mathematics competition

Position of Responsibility

- **Technical Head** at Research and Innovation Affairs Council (RIAC)
- **Co-Head, Publicity Committee** at MINDBEND 2025

Relevant Coursework

- **Core Subjects:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems
- **Advanced Topics:** Operating Systems, Computer Networks, Machine Learning