Namraa Patel

Versatile and motivated software developer with a strong foundation in computer science, specializing in backend, full-stack, and AI/ML development. Proficient in Django, React, and Python-based ML tools like scikit-learn, pandas, and NumPy. Built intelligent applications such as a real-time Color Classifier using OpenCV2 and Streamlit. Solved 250+ problems on LeetCode and participated in national hackathons like Smart India Hackathon and Hack With Gujarat, demonstrating problem-solving and team collaboration.

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# EDUCATION

**Diploma Engineering, Computer** *Aug 2022 – Present*

**Relevant Coursework: Data Structures, OOP, Web Technologies 9.84 CGPA**

Government Polytechnic Ahmedabad, Gujarat, India

**SSC (Secondary School Certificate)** *2021 – 2022*

GSEB (Gujarat Secondary Education Board) Percentile:97.41

# EXPERIENCE

**Django Intern**, Techaronic IT Solutions Pvt Ltd Jun *2024 – Aug 2024*

* Collaborated on developing scalable web applications using Django, focusing on efficient backend processes and data management for robust functionality.
* Assisted in optimizing code for better load management, reducing response times by implementing caching and database indexing techniques.

**JavaScript Intern**, Techaronic IT Solutions Pvt Ltd *Aug 2023*

* Developed interactive front-end features using JavaScript, enhancing user experience through responsive and dynamic web elements.
* Worked closely with designers and backend developers to ensure a cohesive user interface, improving design consistency and usability.

# PROJECTS

**Color Classifier (Machine Learning)**

* Built a machine learning tool to classify color pixels in images, using OpenCV2 for image processing and Streamlit to create an interactive web app.
* Training and Testing: Used a labeled dataset to train a model with high accuracy in real-time classification.
* Technologies Used: Python, OpenCV2 for color detection, and Streamlit for app deployment, achieving robust classification performance.

# Job Board Platform (Django)

* Developed a job portal using Django with filtering and authentication, improving application workflow efficiency by 40%.
* Integrated functionalities for filtering job listings by criteria such as industry and location, enhancing user experience and navigation.
* Technologies Used: Django for back-end development, SQLite for database management, and HTML/CSS for front-end design.

# Student Attendance Management System

* Developed a web-based application to streamline attendance recording for educational institutions, enabling teachers to track and manage attendance data in real-time.
* Included Features: Admin panel for faculty to manage records and a student panel for viewing attendance status.
* Technologies Used: PHP, MySQL, JavaScript, HTML, CSS for front-end and back-end integration.

# Alarm Clock (Python)

# Designed an interactive digital alarm clock with a user-friendly graphical interface using Python's tkinter library, allowing users to set alarms with customized times and alerts.

# Implemented background processes to ensure accurate timing and notifications, enhancing usability and reliability.

# SKILLS

* Languages: C, C++, Java, Python, JavaScript, PHP
* Frameworks & Libraries: Django, React, OpenCV2, Streamlit
* Data Science Tools: pandas, NumPy, matplotlib, Jupyter Notebook
* Databases: MySQL, Oracle, SQLite
* Tools & Technologies: Android Studio, Git, Machine Learning, MS Office
* Core Concepts: Data Structures, Algorithms, OOP, DBMS
* Soft Skills: Problem Solving, Critical Thinking, Teamwork, Leadership

# ACHIEVEMENTS

* Solved over 250 programming challenges on LeetCode, demonstrating advanced problem-solving and coding proficiency.
* Earned certifications in Python and Java, solidifying expertise in application development and software design principles.
* Participated in Smart India Hackathon and Hack with Gujarat Hackathons.