Pranjal Patel

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PROFILE SUMMARY

As a 3rd year B.Tech student majoring in Computer Science and Engineering, I'm poised to step into the tech industry with a blend of academic prowess and a genuine eagerness to learn and contribute. Despite being a fresher without professional experience, I approach opportunities with a calm determination and a commitment to excellence. With a collaborative spirit, I thrive in team environments and value the input of others. My goal is to make meaningful contributions and grow both personally and professionally in a supportive and respectful workplace.

EDUCATION

Pandit Deendayal Energy University, Gujarat **2025**
B. Tech in Computer Science & Engineering CGPA: 8.63

Gujarat Technological University, Gujarat **2022**
Diploma in Computer Engineering CGPA: 9.46

The New Tulip International School, Gujarat **2019**
Central Board of Secondary Education (CBSE) Percentage: 85%

EXPERIENCE/INTERNSHIP

Technical Projects:

- **StoryTeller's Sanctuary(A Online Book Store Website)** ***Aug-Nov 2023***

  In response to the growing demand for accessible and convenient literary resources, I conceptualized and developed StoryTeller's Sanctuary, an immersive online bookstore website. This innovative platform serves as a digital oasis for book enthusiasts, offering a diverse collection of literature across genres, available at their fingertips.

  - Technologies used : HTML, CSS, JavaScript, PHP, MySQL
  - Tools used : Visual Studio Code, XAMPP Server, Notepad++

- **CV-Based Attendance System:** ***Aug-Nov 2023***

  Simplifying Attendance Tracking and Preventing Proxy Attendance. In response to the inefficiencies and inaccuracies inherent in manual attendance tracking methods, I developed a robust CV-based attendance system to tackle the drawbacks of manual attendance tracking. Using computer vision, the system automates the process, saving time and reducing the risk of proxy attendance.

  - Technologies used: Python, OpenCV, dlib, ML models, Flask, MySQL
  - Tools used: PyCharm, Notepad++, Git, GitHub

- **Air Pollution and changes with time:** ***Oct-Nov 2023***

  In a disaster management elective, I led a project using GIS technology to assess air quality. Using QGIS, I analyzed pollution levels and identified problem areas by integrating data from monitoring stations and satellite imagery. This provided valuable insights for decision-making and disaster preparedness. This project showcases my GIS skills and commitment to addressing environmental issues with technology.

  - Tools and Technologies used: QGIS, Plugins

- **MERN WhatsApp Clone: Modernizing Communication with Full-Stack Development** ***Jan-April 2024***

  In this project, I led the development of a WhatsApp clone using the MERN stack, aiming to replicate core functionalities like real-time messaging, group chats, and media sharing.

  - Technologies used: MongoDB, Express.js, React.js, Node.js, Socket.IO, JWT, Material-UI
  - Tools used: Visual Studio Code, MongoDB Atlas, Notepad++

- **Predictive Analysis for Enhancing Bicycle Company Marketing Strategies** ***Feb-April 2024***

Utilized advanced machine learning models such as Logistic Regression, Random Forest, and LightGBM to analyze user behavior and predict annual membership conversions. Delivered data-driven insights to enhance bicycle company marketing strategies, resulting in improved customer acquisition and retention.

- Technologies used: Python, Pandas, NumPy, Sci
- kit-learn, LightGBM, Matplotlib, Seaborn
- Tools used: Visual Studio Code, Jupyter Notebook, Git

PERSONAL PROJECTS

- **E - Learning Website:** ***March-April 2021***

The purpose of 'E-Learning Website' is to provide an online learning platform during Covid-19. It has been developed to override the problems prevailing in the practicing manual system.

- Technologies used: HTML, CSS, PHP, MySQL
- Tools used: Visual Studio Code, XAMPP Server, Notepad++
- *Moreover, it is designed for the particular need of the students to carry out studies in smooth and effective manner during the COVID pandemic.*

- **Facial Emotion Recognition System:** ***Feb-April 2024***

Developed a cutting-edge Facial Emotion Recognition system leveraging neural networks and advanced AI techniques. This project aims to accurately detect and analyze human emotions in real-time from facial expressions, providing valuable insights for applications in human-computer interaction, healthcare, and sentiment analysis.

- Technologies used: Python, OpenCV, TensorFlow, OpenFace
- Tools used: Visual Studio Code

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, C++, HTML, CSS, SQL, PHP, Java, Android, Kotlin, JavaScript, Python, Scala
Runtime Environment: Node.js, JRE, .NET (Basics)
Developer Tools: Visual Studio Code, PyCharm, Eclipse, Notepad++, Git, GitHub, Sublime Text, Docker
Frameworks: React.js, Flask and Django(Python), Express.js(Node.js), Pandas, NumPy, Apache Spark, Selenium
Cloud/Databases: AWS, MySQL, MongoDB, Oracle Database
Soft Skills: Problem Solving, Mentorship, Organization and Time Management, Flexible and Adaptable, Working under pressure, Teamwork, Emotional intelligence, Managing People, Organized, Active Listening, Presentation, Planning
Areas of Interest: Cloud Computing, Big Data Technologies, Data Visualization, Data Engineering, Data Analyst, DevOps, QA Testing, Full-Stack Development

CERTIFICATES

NPTEL ***Leadership & Team Effectiveness*** ***April 2024***

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