JEEL PATEL

New York, NY
P: +1(929) 877 6168
pateljeel3105@gmail.com
linkedin.com/in/jeel-patel-705477205

EDUCATION

NEW YORK UNIVERSITY   09/2024 – 05/2026
MASTER'S IN COMPUTER ENGINEERING
    Relevant Coursework: Machine Learning, Computer System Architecture, Big Data

SYMBIOSIS INTERNATIONAL UNIVERSITY   08/2020 – 06/2024
BACHELOR'S IN INFORMATION TECHNOLOGY
    Cumulative CGPA: 7.521/10
    Relevant Coursework: Engineering Mathematics, DBMS, Data Science, Search Engine Optimization

SKILLS

PROGRAMMING LANGUAGES: Python, JavaScript, C++, HTML/CSS, SQL, PHP
DATABASE TOOLS: MySQL, MongoDB
TECHNOLOGY/FRAMEWORK: Tableau, Excel, Node.js, Machine Learning, jQuery

WORK EXPERIENCE

5POINT SOLUTIONS PVT. LTD. | Vadodara, GJ
Project Intern   01/2024 – 05/2024
- Designed the front-end using HTML, CSS, and JavaScript, which enhanced processing speed by 5x which saved around 20000 rupees for the organization per month.
- Demonstrated the ability to take additional responsibilities when needed, pitched positively to the overall success of the team, and conducted thorough competitor analysis.

PROJECTS

OPTICAL CHARACTER RECOGNITION APPLICATION (PYTHON, OpenCV)   06/2024 – 05/2024
- Leveraged machine learning techniques and libraries such as Tesseract and OpenCV to achieve a high text recognition accuracy across a dataset of 10,000+ images.
- Deployed pre-processing algorithms that resulted in high image quality processing, resulting in a 30% improvement in OCR accuracy and reduced processing errors by 25%.
- Enhanced user efficiency by 40% and revised manual input time by 80%.

FACULTY FEEDBACK SYSTEM (HTM/CSS, JAVACRIPT, NODE.JS)   11/2023
- Engineered a comprehensive faculty feedback system, streamlining the collection and analysis of over 500 student evaluations per semester.
- Created interactive visualizations using PowerBI, accelerated the review process by 50% for faculty performance through easily understandable graphs and reports.
- Created a user-friendly front-end interface using HTML/CSS and JavaScript and achieved a 30% improvement in user performance. Automated data collection and processing, revitalized manual input by 40%, increased operational efficiency across departments.

SYMBI-MART WEBSITE (HTML/CSS, JAVASCRIPT, NODE.JS)   11/2023
- Developed an E-commerce website for the college, consolidating 3 on-campus stores into a single platform, enabling students to order items online.
- Doubled the quality of the student shopping experience, and increased order volume by 50% in the first semester of launch. Collaborated with a team of 4 developers to ensure scalability.

PUBLICATIONS

QUANTITATIVE ANALYSIS OF MACHINE LEARNING AND DEEP LEARNING   05/2024
MODELS IN DYSRHYTHMIA CLASSIFICATION
- Devised a customized version of Convolutional Neural Networks (CNN) with leaky ReLU activation and conducted comparative analysis of max pooling and min pooling techniques and evaluated 4 different models.
- Exhibited significant advancements in the accuracy of 97% with a recall of 97.2%, precision of 90.8%, F1-score of 90.4%.

LEADERSHIP ACTIVITIES

NGO SARVAHITEY (Social Work)   08/2022 – 11/2022
- Contributed to this NGO for 3 Months and assisted various underprivileged children to understand technology. Supervised and mentored in more than 15 meetups with students. Managed Social Media, and provided hyper-local information concerning Covid-19.

TECH-FEST VOLUNTEER (University-Fest)   10/2022 – 11/2022
- Facilitated the event "Waving the Web" during the College Fest, where participants competed to build websites.