Saurin Patel

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EDUCATION

M.S. Computer Science, Illinois Institute of technology Chicago,USA   **2023-2025**

B.E., Information Technology, Shah And Anchor Kutchhi Engineering College, University of Mumbai, India
Courses- Data Structures Analyses, Database Management System, Data Science and Artificial Intelligence,   **2019-2023**
Computer Architecture and organization, Software Engineering, Data Mining.   **CGPA 8.58/10**

SKILLS

Technical Skills: Java, C, C++, Python, HTML, CSS, JS, Node JS, MYSQL, React JS, Problem solving, Power BI, Tableau.

Other Skills: Microsoft office, Project Management, Interpersonal, Presentation, Strong communication, Business and Financial acumen.

WORK EXPERIENCE

Research Intern, University Of Naples Italy, Naples, Italy   **September 2022-November2022**

- Applied sample examples of regions for training and verification for land use and land cover classification project utilizing Convolution Neural Networks and GEE (Google Earth Engine) for implementation, resulting an impressive 92.9% overall accuracy.
- Demonstrated research capability via a good publication record in the relevant areas. It was published in International Conference on Automation, Computing and Renewable Systems 2022 (ICARS).

Machine Learning Intern, Shah And Anchor College, Mumbai, *India*   **August 2021-February2022**

- Engaged in the 'Brain Tumor Detection' project, developing a CNN model with multiple rounds of convolution and max pooling, culminating in an FCN.
- Achieved an impressive 89% accuracy in predicting unseen image datasets. Recognized one of best undergraduate researcher out of 500 seniors.

Web Developer and Quality Assurance Intern, MoPharma Solutions Ltd,   **August 2020-February2021**

- Contributed to pre-project analysis and technical assessments for an optimized user interface. Executed manual testing on a live website and written test cases and reported bugs.
- Oversaw project management and leadership team of four, Designed, built components and authored web pages using AEM. Got familiar with Agile/Scrum methodologies.

LEADERSHIP & PROJECTS

Plant Disease Classifier, |Python, Tensor flow, Fast API, React| website

- Applied image processing methods to identify signs of sick leaves, involving data processing, augmentation, and extraction. Employed Convolution Neural Networks to categorize processed leaf images into potato early blight and late blight.

University Prediction System, |Python, Jupyter| website

- Utilized Python libraries to analyze data from over thousand students, predicting University admissions based on GPA, test scores, research paper, SOP and LOR ratings using algorithms.

Placement Management System App- |Java, SQL| website

- Crafted a Placement Management System App with Java, JDBC, Swing GUI, and Core Java, facilitating seem less interaction between student and companies.

Twitter Sentimental Analysis, Techstack- Python,sklearn, nltk, numpy, pandas| website

- Utilized tweepy to access the Twitter API and gather tweets based on hashtags or specific keywords. Analyzed public opinion on various topics through this application.

Instagram Clone | website

- Developed an Instagram clone with HTML, CSS, Firebase, and React JS, incorporating user authentication for enhanced security.

RESEARCH PAPER

Land Use Land Cover Classification Using Machine Learning

- The paper was accepted at International Conference on Automation, Computing and Renewable Systems 2022 (ICARS). And published in IEEE Journal.

Prediction Of Graduate Engineering Using Machine Learning

- This paper was published in International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT).