Saurin Patel

Email: patelsaurin2002@gmail.com| Mobile: +91-7506212783|4B Sahajive Society, Andheri, Mumbai- 400058
https://www.linkedin.com/in/saurin-patel-564a871aa/ |https://github.com/saurin16

EDUCATION

M.S. Comuter Science,   **2023-2025**

Illinois Institute of technology Chicago,USA

B.E., Information Technology,   **2019-2023**

Shah And Anchor Kutchhi Engineering College, University of Mumbai, India   **CGPA: 8.58/10**

WORK EXPERIENCE

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

- Using Classification and Regression(CART) trees algorithm I classified the region of Mumbai in categories like trees, mangroves, Grounds/Bare Lands, Non-Built area, Built up area and water bodies.
- We used some sample examples of regions for training and validated using the known areas and used GEE to implement in the end we achieved an overall accuracy of 92.9%.
- Demonstrated research capability via a good publication record in the relevant areas. Our was published in International Conference on Automation, Computing and Renewable Systems 2022 (ICARS).

Machine Learning Intern, Shah And Anchor College, Mumbai*, India*   **August 2021-February 2022**

- I learned how deep learning is used for image processing in healthcare fields such as Lungs disease classification such as Lung cancer and pneumonia where we built models using CNN and ANN to detect the diseases.
- Worked on project titled "Brain Tumor Detection" where using MRI's of brain a model was built using CNN with multiple rounds of convolution and max pooling with an FCN at the end. The model was able to predict with an accuracy of 89% on unseen dataset of images. One of seven nominated for Best Undergraduate Engineering Researcher among 500 seniors.

Web Developer and Digital Marketing Intern, MoPharma Solutions Ltd, *Mumbai*

                                                                 August 2020-February 2021

- Developed User Interfaces using HTML, CSS and JS.
- Participated in pre-project analysis and technical assessments to ensure the creation of user-friendly interface.Managed project and lead a team of four people and planned digital marketing campaigns to attract more users.

LEADERSHIP & PROJECTS

University Prediction System, *Shah And Anchor College*   **August 2022**

Developed an Web application with a vision of solving problem of students who wanted to study abroad and wanted to apply to the Universities of their caliber and the test scores they have scored.

Train and Tested data of nearly thousand students based on their GPA, test scores, research paper they have published, SOP and LOR ratings. Using various Python libraries and using Machine learning algorithm to predict their admission into the University of their rating.

Twitter Sentimental Analysis, *Shah And Anchor*   **May2022**

- It was made with an intention to know the sentiments of tweets such as positive, negative or netrual.
- Using tweepy for accessing the Twitter API and get tweets using hashtag or some certain keyword.

It is now used to analyse what people think on certain topics

Real Time Chat Application   **January 2022**

An efficient chat application using NodeJs and Socket IO.

Real time chat application used for the interaction between users.

RESEARCH PAPER

Land Use Land Cover Classification Using Machine Learning

- The paper is 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 has been published in International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT).

SKILLS

Technical Skills: Java, C and Python, HTML, CSS, JS, Node JS, MYSQL, ReactJS, Problem solving, Power BI

Other Skils: Microsoft office, Project Management, Interpersonal, Presentation, Strong communication.