

Saurin Patel

Email: patelsaurin2002@gmail.com | Mobile: +91-7506212783 |

<https://www.linkedin.com/in/saurin-patel-564a871aa/> | <https://github.com/saurin16>

EDUCATION

M.S. Computer 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-November 2022

- 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

- 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,

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.
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LEADERSHIP & PROJECTS

Plant Disease Classifier, Shah And Anchor College

- Methods involving image processing are utilized to look for indications of sick leaves. Data pre-processing, augmentation, and data extraction are some of these activities. This technique separates the processed leaf images into potato early blight and potato late blight using convolutional neural networks.

University Prediction System, Shah And Anchor College Machine learning, Python, Regression.

August 2022.

- 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 Python, sklearn, nltk, numpy, pandas

May 2022

- 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

Newsapp, Html, Css, Js and API

- Realtime News app showing different categories of news in realtime with search optimization
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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 Skills: Microsoft office, Project Management, Interpersonal, Presentation, Strong communication, Business and Financial acumen

