

Saurin Patel

Chicago,IL|Email:patelsaurin2002@gmail.com|spatel213@hawk.iit.edu

[Linkedin](#)|[Github](#)| +1 3123837602

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

SKILLS

Technical Skills: Java, C, C++, 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.

WORK EXPERIENCE

Research Intern, University Of Naples Italy, Naples, Italy

September 2022-November2022

- Used some sample examples of regions for training and validated using the known areas and used GEE to implement in the end achieved an overall accuracy of 92.9%.
- 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

- 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-February2021

- 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

Plant Disease Classifier, Techstack - Python, Jupyter, Sklearn, Tensorflow, FastAPI, React

- 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, Techstack - Python, Jupyter,

- 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.

Placement Management System App- Techstack - Java, JDBC, Swing GUI, Core Java

- The app is used to bridge the gap between the students and companies where the companies can give hiring tests to students and also can share their job requirement Also student can see the companies requirements.

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

- 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

Instagram Clone

- Instagram clone using Html, Css, Js, firebase, React JS along with user authentication.
-

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).