

SWATHI GNANASEKAR

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EDUCATION

Bachelor of Engineering,

Computer Science Engineering

Panimalar Engineering College, Anna University

CGPA: 9.15

Aug 2019 – Present

SKILLS

- **Database Technologies:** MySQL
- **Visual Analytics:** Power BI, Matplotlib
- **Programming Languages:** Python, Java, Scala, HTML, CSS, JavaScript
- **Predictive Analytics:** Supervised and Unsupervised Learning, Time Series Forecasting
- **Platform:** Apache Spark, TensorFlow, PyTorch
- **Web Scraping:** BeautifulSoup, Urllib
- **Libraries:** Scikit-Learn, Matplotlib, Pandas, Numpy
- **Version Control:** Git, Github, Github Desktop
- **IDE:** Pycharm, IntelliJ, Visual Studio Code, SQL Server Management Studio

CERTIFICATIONS

Overview of Web GIS Technology – Based on computer vision application – **ISRO certification**

SQL intermediate exam completion-**Hackerrank certification**

SQL for Data Science-UC Davis

Data structure and algorithm-**Amazon**

PROJECTS

Roles of Data Science

[View Project](#)

Every data-driven person has uncertainties about the increased possibility in data science professions, therefore I made a dashboard that visualises cities from various countries based on big data trends to help people comprehend them.

University Admit

[View Project](#)

This project's main objective was a prediction of Graduate admissions from an Indian perspective. The predicted output from the classification algorithm gives a fair idea of a student's admission chances.

Stock Market Sentiment Analysis

[View Project](#)

This model predicts stock prices based on recent headlines, significantly affecting stock prices. Using real-time data obtained from a website adds a unique edge to it.

Car Resale Value Prediction by IBM

[View Project](#)

A machine learning algorithm to forecast the resale value of cars based on many influencing factors. Additionally, to create a web application that serves as a conduit between customers and auto dealers.

INTERNSHIPS

• Diggibyte Technologies Private Ltd

Data Engineering Internship,

January – April 2022

To identify data collection opportunities, I worked on combining raw data from diverse sources and looked at ways to increase data quality and reliability. I realised how crucial it was to build pipelines and transform unusable data into knowledge.

• National Stock Exchange of India

Data Science Internship,

November-December 2021

Deployed a model to predict intra-trade patterns that deal with buying and selling stocks on the same day, during the trading hours stipulated by the exchange. Also, analysed the indicators and trends of markets to guide stakeholders.

• The Sparks Foundation

Data Science and Business Analytics Internship,

October – November 2021

Worked on Prediction using Supervised Machine Learning to conclude the percentage of marks of the students based on the number of hours they studied. Analysed data, performed some EDA, and Successfully interpreted large and complex data to conclusions.

HACKATHON

•**Machine Hack** - Achieved the rank of "CHAMPION" with a global rank of 23rd out of 1290 members for the "Loan Modelling" project.

•**Smart India Hackathon**- Qualified in India Innovation Challenge Contest - 2022 by solving an industry problem statement.

•**Machine Hack**- It was an international hackathon by machine hack where I secured 16th place amongst the other participants.

PUBLICATION

A SMART AND USER-FRIENDLY INTERFACE FOR STORING AND RETRIEVING PERSONAL MEDICAL RECORDS

September 2021 - January 2022

It has implemented an intelligent interface consisting of medical health records for the best hospital and specializations available. It is helpful for medical auditing, statistical analysis, and insurance claims.

Link: [View The Paper](#)

VOLUNTEERING

Volunteer, Street Cause India

Divisional Vice President

Jan 2022 – Present

Planned and executed two effective fundraising events that raised a total of over 1.2 lakhs, earning me the top city member.