SATYAM RAO

BECHLOR OF TECHNOLOGY IN SMART MANUFATURING | MINOR IN DESIGN IIITDM KANCHEEPURAM

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Education:

- **IIITDM Kancheepuram.**
  B.Tech (SMART MANUFACTURING)
  📍 Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram ,Tamilnadu
  📅 **2020-present   7.42cgpa**

- **10th**
  📍 **S.H.S.S MAHARAJPUR ,SAGAR (MP)**
  📅 2016   **89.2 %**

- **12th**
  📍 **S.H.S.S MAHARAJPUR ,SAGAR (MP)**
  📅 2018   **89.2 %**

Projects

Movie recommendation system   Code

- The machine learning model will be trained on a large dataset of movie ratings and and features
- Performed exploratory data analysis to identify features and ratings.
- The machine learning model is trained on a large dataset of movie ratings and reviews.
- The system will be tested using a separate dataset of movie ratings to evaluate its accuracy and performance.
- Code

Taxi-Fare prediction

- Developed a machine learning model to predict taxi fares based on various input features.
- Preprocessed and cleaned large datasets of taxi trip information using Python and pandas.
- Explored and visualized the data using libraries like Matplotlib and Seaborn to gain insights and identify potential issues.

Key Course(ME)

Robotics and automation,Robot analysis and synthesis,Applied machanics,Thermal and fluid engineering

Software- Computer-aided design (CAD) software: SolidWorks, AutoCAD, Autodesk Fusion 360, linkage, coppeliasim,MS excel, MS word , MS Power Point, MATLAB
Hardware:-Arduino, Raspberry pi,Texas tm4c123gh6pm

Computer Science Skills:

Data Science /Machine Learning

- Python, Data Visualisation, Data wrangling, Supervised learning algos, Unsupervised Learning algos, EDA, Feature Identification, Feature selection & extraction etc.
- **Maths for Data Science And Machine Learning**
  Maths for Data Science, Vector Algebra, Matrix Algebra,Descriptive statistics, Inferential statistics

- **Python packages -** NumPy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-learn , Statsmodels,date time.
- **Programming /Programming Languages-** **Python,** C language , HTML,SQL**,**
- ,**Developer Tools Database-** SQL, MYSQL ,Jupyter , Visual Studio PyCharm, AWS S3 ,WordPress

Experience:

machine learning with python   *june-Aug 2022*
Key Qualification And Responsibilities

- Worked on data collection and cleaning, ensuring data quality and accuracy for analysis
- Conducted exploratory data analysis using various statistical techniques to identify patterns and trends
- Assisted in building predictive models using machine learning algorithms such as regression, classification, and clustering
  Created visualizations to effectively communicate insights to stakeholders

CNI HAKATHON(Data science challenge)   code
- Participated in CNI hackathon with a team of 2 people to estimate the travel time of a person using data science techniques
- Worked on provided data and collaborated with team members to get filtered data.
- Utilized python libraries like pandas ,numpy ,date-time etc. to clean analyze, and visualize data.

Key Course(CSE)

Data Science , DBMS ,Internet of Things And Cloud Computing , Programming Language, App development using python, Data analytics.

Key Course (DESIGN)

Machine Drawing, Sociology of Design, Product Management , Entrepreneurship &Management, Operation Research, Digital sketching& modeling ,**UI/UX Design**, Prototyping.

Certifications-

- DATA ANALYTICS USING PYTHON (nptel)
- DRONE MAKING AND FLYING(iisc bengaluru
- Machine learning using python(yhills edutech)
- AWS cloud computing 101 (AWS educate)

Interests-
Machine learning, Data science, Data analytics,IIOT, Automation,Cloud computing

Languages-   Hindi, English

Hobbies-   Badminton, Travelling ,exploring