R SURESH

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EDUCATION

- **Vellore Institute of Technology, Bhopal** B. Tech in Computer Science and Engineering CGPA: 8.3
- **Indian Institute of Technology, Madras** Diploma in Data Science CGPA:7.5
- **Devi Academy Senior Secondary School, Chennai** Class XI and Class XII Percentage: 93.4%

SKILLS:

Area of expertise: Machine Learning, Data Science, Data Analytics, Data Cleaning, Programming, Web scraping, Statistical Analysis, Data Wrangling, Processing of large data sets, Visualising Data
Programming skills: Python, C, C++, Java, Android development, HTML, CSS
Software skills: Microsoft Office (Word, PowerPoint, and Excel), SQL, Tableau, Flourish, Kumu, Google Data Studio

PROJECT EXPERIENCE:

1) **University Acceptance Prediction using Machine Learning: A Decision-Making Tool for Students and Parents:**
    - The University Acceptance Determiner is a machine learning-based tool. It uses information provided by the user, such as their CGPA, GRE scores, TOEFL scores etc, to determine the likelihood of their acceptance into a particular university.
    - It uses the Random Forest algorithm to predict the outcome of enrolment to around 93% accuracy. The tool can be used by students and their parents to help make informed decisions about where to apply to college.
2) **Predicting Customer Behaviour Patterns using Machine Learning: A tool for Business Growth:**
    - The customer behaviour-based pattern predictor is a machine learning tool that uses algorithms to analyse customer behaviour data and make predictions about future patterns. The machine learning algorithms used in the tool are trained on large datasets to accurately predict customer behaviour patterns.
    - The tool is designed to help restaurants and other food related businesses to better understand and anticipate their customers' needs and preferences, which can improve customer satisfaction and drive sales.
3) **Advanced Credit Card Fraud Detection using Machine Learning:**
    - Implemented a machine-learning based credit card fraud detection system using supervised machine learning techniques.
    - Utilised data visualisation and feature engineering to analyse patterns in transaction data, resulting in a reduction in false positives. Achieved a false positive rate of around 0.3%.

ACHIEVEMENTS:

1) Achieved 4th place in DataHacks 2.0, a AI hackathon conducted by Indian Institute of Technology, Madras.

ONGOING CERTIFICATIONS:

1) B. Tech Degree from Vellore Institute of Technology, Bhopal.
2) B.S. Degree in Programming and Data Science from Indian Institute of Technology, Madras