in **Aditya Rachabattuni**

○ **Aditya-Rachabattuni**

RACHABATTUNI ADITYA

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CAREER OBJECTIVE

An Enthusiastic B.Tech graduate in Computer Science with a solid foundation in Machine learning and software development. I aim to apply my technical skills and passion for innovation in a dynamic organization while striving to deepen my expertise and eventually lead projects that drive impactful technological solutions.

ACADEMIC QUALIFICATION

B. TECH (Computer Science and Engineering)	DRK Institute of Science and Technology affiliated to JNTUH **CGPA: 7.51 (First class with Distinction)**	2020-2024
12th (Mathematics, Physics and Chemistry)	NRI Junior College | **92%**	2018-2020
SSC	Indian Springs EM High school | **CGPA: 9.7**	2018

SKILLS

Core Skills: - Python, Django, Java, C++, C, HTML, CSS, JS, Machine Learning, Data Analytics, Cloud Computing, Prompt Engineering, PHP, My SQL, Node.js	**Soft Skills: -** Attention to detailing, Creativity, Problem Solving, Adaptability, Team Player	**Hobbies:-**Tech enthusiast, Cricket, badminton, Novels, Manual Testing

INTERNSHIP

Datapoint IT and Hardware Tech Pvt Ltd: Software Engineer Intern, Aug 2023 – Feb 2024.

- ➢ Joined as Intern and worked on Python with Machine Learning.
- ➢ Engaged in predictive modeling on diverse datasets using advanced machine learning techniques.
- ➢ Developed real-time Django applications for classification and prediction challenges in commercial settings.

PROJECTS

Ransomware Classification and Detection using Machine Learning Algorithms
Technologies*:* Python, Django, SQLite, HTML, CSS, JavaScript

- Developed a machine learning model leveraging Decision Tree and Random Forest algorithms to classify executable files as safe or ransomware infected.
- Designed a user-friendly web application in Django, allowing real-time file analysis and classification based on 13 key file attributes.
- Implemented a backend SQLite database to efficiently store classified file data for easy retrieval and analysis.

Dynamic Churn Prediction with Machine Learning Algorithms
Technologies: Python, Django, SQLite, HTML, CSS, JavaScript

- Developed a predictive model to identify customer churn based on factors like monthly expenses, income, and tenure, using classification techniques.
- Built an interactive Django web application, allowing organizations to input customer data and view churn predictions in real-time.
- Integrated SQLite for seamless data storage, ensuring efficient access and retrieval of customer insights.

Spam Filtering using Support Vector Machine (SVM) Classifier
Technologies: Python, Streamlit

- Created a spam detection model using an SVM classifier to distinguish spam from legitimate messages based on text features.
- Developed an interactive interface with Streamlit, enabling users to input text and receive real-time spam classification results.
- Applied natural language processing techniques for data preprocessing, enhancing model accuracy and interpretability.

CERTIFICATIONS

- Introduction to Cloud Computing - by IBM in Coursera
- Prompt Engineering for ChatGPT- by Vanderbilt University in Coursera

EXTRA CURRICULAR ACTIVITIES

- Represented my school at district level sports competition in badminton
- Freelanced as a **Functional Localization Tester**
- APPSA Interschool Champion in Cricket and Badminton