

Abhishek Chandragiri

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Portfolio: <https://abhi0323.github.io/Abhishek-Chandragiri-Portfolio/>

EDUCATION

- University of Houston** Houston, TX
 - Masters in Data Science; GPA: 3.40* *Jan 2022 - Dec 2023*
 - Courses: Machine Learning, Database Management System, Big Data Analytics, Business intelligence, Probability and Statistics, Digital Image Processing, Data Analytics for Constructional Management, Data Analytics for Engineering Management.*
- TKR College of Engineering and Technology** Hyderabad, India
 - Bachelor of Electronics and Communication Engineering; GPA: 3.5* *Aug 2017 - July 2021*

SKILLS SUMMARY

- Skills, Technologies, and Libraries:** SQL Programming, Python, Tableau, Power BI, My SQL Workbench, Oracle SQL Developer, Excel, Git, Latex, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn
- Areas of Interest:** Artificial Intelligence, Data Management, Cloud Computing, Cybersecurity, Robotics, Digital Marketing, Financial Analysis, Healthcare Analytics, Business Analytics, Predictive Analytics, Computer Vision.

EXPERIENCE

- University of Houston** Houston, TX
 - Graduate Instructional Assistant - Prof. Carales Vincent and Prof. Dave A. Louis.* *Aug 2022 - Current*
 - Collaborated with faculty to streamline course materials and improve the evaluation of student work, resulting in a 10% increase in student satisfaction.
 - Conducted comprehensive data analysis on student performance and provided actionable insights to faculty, leading to a 15% increase in student retention rates.
- Veniso Solutions India Pvt Ltd** Hyderabad, India
 - Data Analysis Intern* *Aug 2021 - Dec 2021*
 - Conducted extensive analysis of customer survey data, identifying key trends and areas for improvement that resulted in a 25% increase in customer satisfaction.
 - Facilitated brainstorming sessions and presented multiple innovative solutions to business problems, resulting in a 10% increase in team collaboration and a 15% increase in productivity.
- PanTech Solutions** Hyderabad, India
 - Major Project Internship* *Jan 2021 - Mar 2021*
 - Developed an innovative home automation system using Google Assistant, which reduced manual input by 80% and allowed users to control their home appliances remotely.
 - Created custom voice commands for Google Assistant using Adafruit IoT web server and IFTTT app, enabling users to control their appliances with simple voice commands.

ACADEMIC PROJECTS

- Letter Recognition (Python Programming)(View Project) :**
 - Classified letter recognition dataset with various algorithms (KNN, SVM, Random Forest, Logistic Regression) to find the best model that precisely recognizes capital letters and achieved an accuracy of 96% with the SVM algorithm.
 - Performed hyper parameter tuning on all the algorithms and visualized their outputs with default parameters and final hyper parameter tuned outputs, resulting in a more accurate model.
- Phishing Website Detection (Python Programming)(View Project) :**
 - Developed a machine learning model to detect phishing websites with a 97.1% accuracy rate, using preprocessing techniques and Scikit-learn libraries.
 - Utilized various classification algorithms such as Logistic Regression, Decision Tree, Random Forest, and SVM to identify the most efficient model.
- Covid-19 Data Analysis (Excel, SQL, Tableau)(View Project):**
 - Explored the processed data using SQL in order to identify any patterns or relationships and discovered that there was a positive correlation between the number of confirmed cases and the number of deaths.
 - Created Tableau visualizations on the covid 19 data set to get an overview of the global spread of the virus, as well as more detailed views of specific countries and regions.
- Sales Management (Excel, SQL and Power BI)(View Project):**
 - Utilized advanced Excel and SQL functions to perform data cleaning and transformation, and created visually stunning and interactive dashboards using Power BI for easy data visualization and decision-making.