

MADDUKURI CHAITANYA DATTA

Machine Learning Engineer

EXPERIENCE

Kveninar Software Solutions Pvt. Ltd., Vijayawada

May 2019 – June 2019

Software Developer Intern

- During the Internship period I worked on an individual project which is based on python and developed a Fully functional scientific calculator based on GUI.

PROJECTS

Uber Data Analysis

Data Analysis

January 2022 – March 2022

- The Analysis of uber data gathered from the New york city and generated insights to find the reasons for cancellation of rides.
- The process of generating reports from the ride data to gather significant insights from them.
- Reduce the cancellation of the uber rides by the analysis for each unit of time.

Heart Disease Prediction

AI/ML Project

March 2022 – Present

Developed a hybrid model [1-2-3-4], to assess an individual's risk of cardiovascular disease.

- Discovered the essential features by ranking the feature set based on filter-based machine learning techniques from the UCI dataset with thousands of records.
- Tested the model on real-time data records and the accuracy of classification is 98%. It is observed that irregular patient records are often misclassified, and the model is utilized to reduce the risk to minimal.
- Enhanced the ML model prediction accuracy by applying a combination of hyperparameter tuning and ensembling techniques. For simplicity, I additionally developed a webapp where any individual could assess their chances of developing cardiovascular disease.
- The projects mentioned above have been published in top-class conferences and are accessible online.

SKILLS

Technical Skills

Python, Java, R, SQL, HTML, CSS, Machine Learning, Streamlit, PySpark, Data Visualization, Git, Exploratory Data Analysis.

Management Skills

Time Management, Effective Communication, Presentation, Storytelling, Decision Making.

Languages

Fluent in English, Telugu; Conversational Proficiency in Hindi.

EDUCATION

SRM University, AP

December 2020-December 2022

Master of Technology, Computer science - AI & ML; CGPA: 8.72/10

Amrita Institute of Science and TECHNOLOGY, Paritala

August 2016 – August 2020

Bachelor of Engineering, Computer Science; CGPA: 7.62/10

Narayana Jr. College, Nidamanuru

June 2014 - June 2016

Science, MPC; Percentage: 93%

Sri Chaitanya Schools, Punadipadu

July 2013 - August 2014

SSC | CGPA: 9.5/10

PERSONAL INFORMATION

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DECLARATION

- I hereby declare that the information above is true to the best of my knowledge.

[1] M, C.D. and Senapati, R. (2022) "An adoptive heart disease prediction model using machine learning approach," 2022 OITS International Conference on Information Technology (OCIT). doi: 10.1109/ocit56763.2022.00020.

[2] Maddukuri, C.D., Senapati, R. (2024). Hybrid Clustering-Based Fast Support Vector Machine Model for Heart Disease Prediction. In: Udgate, S.K., Sethi, S., Gao, XZ. (eds) Intelligent Systems. ICMIB 2023. Lecture Notes in Networks and Systems, vol 728. Springer, Singapore. doi: 10.1007/978-981-99-3932-9_24.

[3] V. Chowdary B, C. Datta M and R. Senapati, "An Improved Cardiovascular Disease Prediction Model Using Ensembling of Diverse Machine Learning Classifiers," 2023 OITS International Conference on Information Technology (OCIT), Raipur, India, 2023, pp. 329-333, doi: 10.1109/OCIT59427.2023.10430692.

[4] Chaitanya Datta, M., Venkaiah Chowdary, B., Senapati, R. (2024). Multi Disease Prediction Using Ensembling of Distinct Machine Learning and Deep Learning Classifiers. In: Patel, K.K., Santosh, K., Patel, A., Ghosh, A. (eds) Soft Computing and Its Engineering Applications. icSoftComp 2023. Communications in Computer and Information Science, vol 2031. Springer, Cham. doi: 10.1007/978-3-031-53728-8_19.

(Maddukuri Chaitanya Datta)