



REPAKA SAKETH

Course : **M.Sc. (Hons.)**, Economics and **B.E. (Hons.)**, Electronics & Instrumentation, 2023

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CGPA : 7.13



ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SCIENCE	Sri Chaitanya junior college	Andhra Pradesh Board of Intermediate Education (BIEAP)	973 MARKS	2018
CLASS X		Sri Chaitanya Techno School	Andhra Pradesh Board of Secondary Education (BSEAP)	9.7 CGPA	2016

Subjects / Electives	Project Appraisal, Operating Systems, Probability And Statistics, Business Analysis and Valuation, Principles of management, Objective Oriented Programming, Data Structures and Algorithms
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Technical Proficiency	HTML + CSS, SQL, JavaScript, C++ Language
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SUMMER INTERNSHIP / WORK EXPERIENCE

Market Risk Intern, Credit Suisse	Jul 2022 - Present
<ul style="list-style-type: none"> At my position as a intern in market risk team i have to co ordinate with different teams in the company validating the data i receive from the clusters of data my team is responsible for. These clusters include various trades the company as a investment bank performs(commodities,derivatives,swaps etc). As a risk team member i have to see how much risk we are carrying and where it is coming from using various risk parameters . 	
Intern as Data analyst, IndusInd Bank Ltd	May 2020 - Jun 2020
<ul style="list-style-type: none"> To engage customers on the Mobile Banking Platform and increase digital footprints. The objective is to also promote social activities which will enhance the banks digital footprints while being socially aware. So we have to do research on different loyalty programs used by various banks to attract customers. We as a team have done some surveys online and on social media platforms about loyalty programs going around to get a good understanding about our project and gather some useful insights. 	

PROJECTS

Real Estate Price Estimation - Data Science	Nov 2022 - Dec 2022
<ul style="list-style-type: none"> NumPy and pandas libraries are used for data cleansing and Matplotlib is used for data visualization. Mean and Standard deviation of the residuals are used in removing the outliers. Sklearn Library is used in building the ML Model. Used K - fold cross validation in measuring the accuracy of linear regression model and the best model using GridSearchCV 	
Sudoku Solver - Operating Systems	Jan 2022 - Jul 2022
<ul style="list-style-type: none"> The sudoku solver program uses Backtracking approach to solve a sudoku puzzle The program is optimized for larger puzzles of size 25x25 or 36x36 using threads and parallel processing The threads will be used to solve different possibilities of the Backtracking solution. All the possibilities will be evaluated by a pool of threads 	
Time series analysis - Applied Econometrics and Data Science	Oct 2021 - Dec 2021
<ul style="list-style-type: none"> We did the regression for PVR and RAMCOCEM Equity returns and NIFTY 50 market returns, the CAPM model was used to calculate regression beta. For three different frequency intervals the beta was calculated for daily, weekly and yearly. Since the series are stationary ARIMA was used to determine the best model for analysis. For all three series studied GARCH model came as the best fit and was used to calculate volatility for upcoming periods. 	

LANGUAGES KNOWN

Hindi, English, Telugu
