

Ajay Kumar Raju Kalidindi

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Seeking a role as a Data Science Intern where I can utilize the experience in machine learning algorithms that will help in finding the trends and relationships to solve complex business problems.

Education

MS in Business Analytics and Project Management, Graduation Year 2023

University of Connecticut

GPA: 3.80/4.0

Coursework: Predictive Modeling | Statistics | Data Management and Business Process Modeling | Data Science using Python

B. Tech in Computer Science, Graduation Year 2020

Gitam University, India

GPA: 7.71/10.0

Coursework: Data Structures | Software Engineering | Machine Learning | Data Mining and Data Warehousing

Skills

Programming Languages: Java | Python | R

Data Science: Exploratory Data Analysis | Feature Selection | Feature Engineering | Hypothesis Testing | Data Visualization

Databases: PostgreSQL | Oracle

Tools: Anaconda | GitHub | Git | Jupyter Notebook | SAS | TensorFlow | NumPy | Pandas | Scikit-Learn | Matplotlib | Seaborn

Technologies: Machine Learning | Deep Learning | Tableau

Work Experience

Kenexoft Technologies Pvt Ltd | India | Software Engineer Intern | 08/2020 – 12/2020

- Built a LinkedIn Profile Ranking system that could rank the profiles of users based on the job description and job title and our aim is to decrease the time needed to filter out the profiles manually by 40%
- Utilized Python's BeautifulSoup library to extract Education, Experience, and Skills from user-profiles and converted them into a structured format that could facilitate the process of analysis
- Used Data Science libraries like NumPy and Pandas to perform Feature Engineering, and Exploratory Data Analysis that resulted in giving out statistical outcomes that have been tested and validated
- Communicated analytical insights by delivering data-driven presentations to key stakeholders

BlueFrog Mobile Technologies Pvt Ltd | India | Data Science Intern | 05/2019 – 06/2019

- Worked on a Movie Recommender System dataset (Movie Lens) and extracted concrete insights from data that helped the company in redefining their working methodologies which led to rising of model accuracy by 10%
- Applied Statistical techniques like Hypothesis Testing that could validate the assumptions made on data which resulted in more accurate insights
- Worked with cross-functional teams of analysts and studied user behavior and brought insights into every decision we made and showcased them to a non-technical audience

Projects:

Indeed Salary Prediction using Machine Learning and Python

- Built a Salary Prediction System that could provide an estimated salary for job seekers for a given job post
- Analyzed 1 million rows of historical data and handled missing values and outliers
- Made good use of visualization tools to find out the relationship between different features and the target variable
- Applied Machine Learning algorithms like Linear Regression, Random Forest and Gradient Boosting and identified the best model as Gradient Boosting with a test accuracy of 86%

House Price Prediction – Kaggle Competition

- There are 79 Explanatory variables that help in predicting the final price of the house
- Applied different data preprocessing techniques for handling missing values and outliers and transformed some of the numerical features into categorical data as necessary using binning
- Feature Engineering has been done thoroughly and Stratified Random Sampling has been applied so that the data has been sampled correctly into the train, validation, and test sets
- Applied K-fold cross-validation so that the variance of the resulting estimate is reduced. The best model was found out to be Random Forest with 81% test accuracy