Shravan Kumar Karnati

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A passionate and creative software developer focused on designing, implementing, and building fast, scalable, and responsive applications, with strong understanding of programming fundamentals, architectural patterns, data management and security.

Experience

PROJECT INTERN | ASPIRE VISION TECH | MAY '17 – AUG '17

- Analysis of structured data using Big-Data Hadoop concepts and MapReduce algorithms and utilized the mined data to identify patterns.
- Querying databases with HiveQL queries and extracting information using HDFS and Apache HIVE on regular basis.
- Coordinate with other teams to help them make use of the Hadoop cluster and to easily integrate their results in the design we developed.
- Obtained Microsoft Technical Associate in Big Data and Hadoop Certification.

Education

MSC COMPUTER SCIENCE | JAN '19 – PRESENT | UNIVERSITY OF SOUTH FLORIDA, TAMPA
BTECH COMPUTER SCIENCE | JUN '14 – APR '18 | GITAM UNIVERSITY, VISAKHAPATNAM, INDIA

Projects

REGALE

- A Food Recipe Search Web Application Build using an API by Spoonacular and Deployed on Heroku.
- Using React for UI, Redux for Centralized State Management, React Router for Routing, SCSS and Styled Components for Styling.
- Implemented Saved List for saving recipes and Cart for grouping all the ingredients of selected recipes using Redux Persist and browser's Local Storage.

CREDIT CARD FRAUD DETECTION

- Comparing Logistic Regression and Neural Network for Classification on Imbalanced Dataset.
- Implemented under-sampling and over-sampling data techniques on the dataset to perform machine learning models.
- Analysis and conclusion based on Sensitivity and Specificity of both the models.

INTERNET USER PROFILING

- A practical exhibition in which, by using 54 user's internet usage data of two weeks and finding whether each user is distinguishable or indistinguishable with that of the all others.
- Performed various statistical computation like Spearman Correlation Coefficient, MRR Z Test Statistic Formula to find Z Value which is then used to find the P value which is the distinguishability value.

Skills & Abilities

PROGRAMMING LANGUAGES

JavaScript / TypeScript, Python, C++, Java.

FRAMEWORKS, LIBRARIES, DATABASES.

React, Redux, NextJs, , GraphQL, Apollo GraphQL, Angular, jQuery, SCSS, Bootstrap, Material UI, Styled Components, Jest, Enzyme, Figma, Webpack, NPM, HTML, CSS, Nodejs, Express, Pandas, NumPy, Scikit Learn, Matplotlib, MySQL, PostgreSQL, MongoDB, Mongoose, TypeORM, DynamoDB, Big Data, Hadoop, HDFS, Map Reduce, Pig, Firebase, Git, AWS.