PRIYADHARSHINI K

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SUMMARY

Experienced ReactJS developer with a strong understanding of relational database management systems (RDBMS). Proficient in building dynamic and responsive web applications using ReactJS, along with integrating backend systems with RDBMS for efficient data management. Skilled in designing and implementing database schemas, optimizing queries, and ensuring data integrity. Experienced in leveraging ReactJS components to create interactive user interfaces that seamlessly interact with RDBMS-powered backends.

EDUCATION

SACRED HEART COLLEGE(AUTONOMOUS), TIRUPATTUR

M.Sc. Computer Science

- I am complete in 2023, with 70 percent.

E. R. K. ARTS AND SCIENCE COLLEGE, ERUMIYAMPATTI.

B.Sc. Computer Science

- I am complete in 2021, with 78 percent.

SKILLS

- React JS
- RDBMS
- Javascript
- HTML & CSS
- Java
- Leadership
- Coaching
- Creativity

INTERNSHIP

COGNULTSOFT ANALYTICS | BENGALURU

- I completed the internship for React JS and RDBMS at Cognultsoft Analytics, Bengaluru.

BOSCOSOFT | YELAGIRI

- I completed the In plant Training on Android, over the month of June 2022 at Bosco Soft Company.

ACHIEVEMENTS

- I completed the Center of Excellence (IT-ITeS) Training Program from January 2022 to May 2023, conducted by KALVI TRUST.
- I Organized a national-level workshop on Flutter on 2nd March 2023 by the dept of Computer Science, Sacred Heart College(Autonomous), Tirupattur.
- I Won the 2nd Prize in Dumb-show on LOGIN 2023 on 1st Feb 2023.

PROJECT

TEXT DOCUMENT CLASSIFICATION USING VARIOUS MACHINE LEARNING ALGORITHM.

- Text document classification using various machine learning algorithms involves training a model to categorize text documents into predefined classes or categories.
- Algorithms like Naive Bayes, Support Vector Machines, and Neural Networks are commonly used for this task.
- The process typically involves preprocessing the text data, such as tokenization and vectorization, followed by training the model on a labeled dataset.
- Evaluation is done using metrics like accuracy, precision, recall, and F1-score.
- Hyperparameter tuning and cross-validation are often used to improve model performance.
- Overall, the study compares machine learning methods for text document classification, finding logistic regression to be the most accurate (0.96) and decision trees the least (0.740).

RESEARCH PAPER

BREAST CANCER CLASSIFICATION USING MACHINE LEARNING ALGORITHMS.

- Machine learning techniques have been extensively used in various medical applications, including advising clinicians on decision-making.
- In a study focusing on breast cancer classification, seven well-known linear and non-linear algorithms were compared using the Wisconsin Breast Cancer Diagnostic dataset.
- These algorithms included Linear SVM, Non-Linear SVM, Logistic regression, KNN, Naïve Bayes, Decision tree, and Random Forest.
- Naïve Bayes showed the highest accuracy (0.97) on the training set.
- The predictive models' performance was evaluated using k-fold cross-validation, showing Naïve Bayes as the best-performing model in terms of accuracy, precision, and recall on unobserved data.