SASIKANTH KANIGOLLA

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OBJECTIVE

To seek challenging assignment and responsibility, with an opportunity for growth and career advancement as successful achievements.

EDUCATION

B.TECH | SIR C R REDDY COLLEGE OF ENGINEERING | 2019 - 2023

- Major : Information Technology

SKILLS

- Programming Languages: Java, Python, C, HTML, CSS, JavaScript
- Frameworks & Technologies: Spring Boot, REST APIs
- Machine Learning: Scikit-learn, TensorFlow, PCA, SVM, Decision Trees
- Tools & IDEs: Spring Tool Suite (STS), Postman, PuTTY, Git

WORK EXPERIENCE

Systems Engineer - Tata Consultancy Services | March 2024 –Till date

- Collaborated with a team to develop a scalable loan processing platform for banks.
- Designed and implemented APIs for verification of data and loan sourcing.
- Gained expertise in Spring Boot, MySQL, and web development tools.
- Performed unit testing and enhanced error handling to ensure system reliability.
- Analyzed client requirements to deliver tailored solutions and effective project plans.
- Managed multiple projects simultaneously while meeting tight deadlines under pressure.

PROJECTS

Hunter

- Designed and implemented critical APIs for verification of data in loan initiation and post-loan disbursement processes.
- Utilized Spring Boot dependencies to ensure a modular, scalable, and maintainable codebase.
- Adopted the MVC architecture, optimizing system responsiveness and performance.
- Planned and developed APIs with a strong focus on reliability for critical payment services, incorporating robust error handling and optimization techniques.

Breast Cancer detection

- Developed a machine learning model to predict breast cancer with an accuracy of 97.7%.
- Processed the data using dimensionality reduction algorithms such as PCA, sparse PCA, fast Ica, kernel PCA, and factor analysis.
- Trained the model using classification techniques such as logistic regression, decision tree, random forest, SVC, stochastic gradient descent, k-nearest neighbors, and naive Bayes.
- Evaluated the model using metrics such as accuracy score, confusion matrix, F1-score, and k-fold cross validation.
- The model was able to identify the most important features for predicting breast cancer, such as tumor size, cell size, and cell shape.

CERTIFICATIONS

Machine Learning A-Z™: Hands-On Python & R In Data Science | Udemy

- In this course, I have learnt the basics of machine learning which involves various models and how they work in generating the desired output.