Parvathy Suresh Kumar

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Summary

Enthusiastic about exploring emerging technologies and has contributed to some projects to enhance my knowledge in the field of Computer Science. Proven ability to adapt quickly, work collaboratively, and deliver results in competitive environments.

Education

Amrita Vishwa Vidyapeetham B.Tech in Computer Science with Artificial Intelligence — Kollam
CGPA: 7.85 — 2022-2026

Higher Secondary Education — 2021
The Asian School, Bahrain
Percentage: 86.6

High School Education — 2019
The Asian School, Bahrain
Percentage: 91

Projects

Online Quiz platform — 2024
- Tools Used: Streamlit, Python, MySQL
- Designed and developed a user-friendly quiz platform for a school. It enables teachers to add, edit and delete questions. Enables a student to choose between subjects to attend quizzes and displays the score after each question. The login and questions created are stored in a database from which the data is inserted and modified.

Cluster based Regression — 2024
- Tools Used: Linear regression, Logistic Regression, Random Forest, KNN, k-KNN, DBSCAN
- Implemented a model combining clustering algorithms with regression techniques to improve prediction accuracy by first grouping similar data points using clustering, followed by applying regression on each cluster to yield better-targeted predictions.

IoTproject — 2024
- Tools Used: MIT-app developer, Turbidity sensor, pH sensor, LCD display
- Developed an IoT integrated Smart water quality system with real time data analysis which is displays a message on an LCD screen. Users can get the quality of water through an app along with turbidity and pH value of the water.

Technologies

Programming Languages: Python, C, Java

Web Development: Javascript, CSS, Boostrap

Database Management: MySQL, PostgreSQL, MongoDB

Tools: Matplotlib, Numpy, Pandas, Machine Learning models

Certifications

NVIDIA DLI- Fundamentals of Deep Learning — Dec 2023
Google Cloud Training (Coursera)- Introduction to Large Language Models — Apr 2024
Python Basic -Hackerrank — Jan 2023

Publications

Cluster Based Linear Regression

Authors: Moningi Ayush, Boddu Madan Gopal, , Pooja S Pillai, *Parvathy Suresh Kumar*, Sarath S
Conference Name: ICTCS
Status: Accepted for publication
Expected Publication Date: 2025

Community Outreach

Student Social Responsibility   Oct 2024

Conducted 1 hour session for 8-grade students in RVHSS in Melattur, Malappuram on food and health awareness which included nutrition labels, unhealthy eating habits. The session helped the students to become more conscious of consumption of junk food and helped them make healthier alternative food choices