





ASWATHY MENON

3rd Year Student at PSG College of Technology

Contact

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 CLRA-70, Krishnakripa,
Kodemkulangara, Tripunithura,
Ernakulam, Kerala

Education

10th

Chinmaya Vidyalaya, Tripunithura
2020
Percentage - 92.8%

12th

Chinmaya Vidyalaya, Tripunithura
2022
Percentage - 95.2%

MSc Integrated,
Theoretical Computer Science
PSG College of Technology, Coimbatore
2022 - present
CGPA - 8.53 (upto S3)

Languages

English, Malayalam, Hindi

Skills

PROGRAMMING LANGUAGES

C
C++
Python

OPERATING SYSTEMS

Linux(Ubuntu)
Windows

DATABASE

MySQL
Oracle

SOFT SKILLS

Problem Solving
Teamwork
Adaptability

Achievements

Achieved school rank and city rank
above 10 in the International
Mathematics Olympiad in multiple years.

Earned numerous accolades for both
individual and group performances in
song competitions at both intra and
interschool levels

Courses

Data Structures and Algorithm
Foundations of Programming Languages
Computer Organization
Linear Algebra

Projects

Timetable Scheduling using Vertex Coloring

Developed a timetable scheduling project using Python, implementing vertex coloring as a data structure solution. Applied graph theory principles to efficiently allocate resources and time slots, demonstrating strong problem-solving and algorithmic skills in a data structure context.

Statistical Calculator

Developed a comprehensive statistical calculator in Python, capable of computing key measures such as mean, median, mode, standard deviation, and variance for both grouped and ungrouped data sets. Implemented data visualization features for plotting, providing a versatile tool for statistical analysis and representation.

Data Forecasting

Conducted electricity production forecasting using R language, systematically analyzing data characteristics such as seasonality and trend. Employed various forecasting models including naive, ARIMA, and exponential smoothing. Utilized model evaluation techniques to identify and implement the most effective forecasting model. Successfully projected electricity production for the next two years, showcasing expertise in time series analysis and forecasting methodologies.

Hospital Management System

Developed a Hospital Management System using C++, incorporating file concepts for efficient data storage and retrieval. Implemented robust features for streamlined patient records and administrative tasks, showcasing proficiency in C++ programming and file handling.