B Monali

ABOUT ME

Final-year Computer Science Engineering student with a strong work ethic, ambitious drive, and adept problem-solving skills.

Eager to apply these skills in a professional setting.

CONTACT

📞 +91 9880347000

✉ b.monali.709@gmail.com

📍 Bengaluru, India

SKILLS

Programming- C, C++, Python, SQL
Design – UI/UX Interface

Soft Skills– analytic, attention to detail, problem solving

EDUCATION

PES UNIVERSITY   2021-2025
B-TECH [CSE]

CGPA: 8.67

ACHIEVEMENTS

- Awarded the MRD Scholarship
- Awarded the CNR Scholarship
- Awarded the DAC Scholarship

PROJECTS

Distributed Data Processing for Financial Markets: A Spark and Kafka Approach
USING APACHE KAFKA AND MYSQL

- Created a custom data source for replica of live stock market data and generated API key for secure access. Set up Apache Kafka to manage streaming data with dedicated topics for Apple, Google, and Microsoft.

- Configured Kafka producers and consumers for real-time data streaming. Implemented Spark Streaming and MySQL for data storage and querying. Analyzed and optimized both streaming and batch processing pipelines to evaluate performance and efficiency.

DATA ANALYSIS AND TIME SERIES FORECASTING
USING C PROGRAMMING LANGUAGE

- Conducted exploratory data analysis using Python, focusing on a financial dataset. Utilized statistical techniques, visualization libraries (like Matplotlib and Seaborn), and decomposition methods to understand data patterns and correlations.
- Applied ARIMA and SARIMA modeling, to forecast financial data trends. Personalised optimal model parameters through iterative evaluation using AIC enhance accuracy of predictions.

HOSTEL MANAGEMENT SYSTEM IN C
USING C PROGRAMMING LANGUAGE

- Developed a robust system handling student registration, room allocation and fee tracking using file handling and structures in C.
- Utilized priority queues to streamline operations, ensuring efficient student management and room allocation processes.

COURSE WORK

- Data Structures
- Cloud Computing
- Operating Systems
- Computer Networks
- Data Analytics
- Machine Intelligence
- UI/UX designing
- Database Technologies
- Object Oriented analysis and design Using Java
- Design and analysis of algorithms

HACKATHONS

- HALLOTHON 2021 – PES UNIVERSITY
- IEEE HACKATHON – PES UNIVERSITY