Mohammad Roshan K

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Summer Training

CipherSchools   **May 2024 - Jul 2024**

- This hybrid training focused on fundamental and advanced concepts of Data Structures and Algorithms. It included topics like arrays, linked lists, stacks, queues, trees, graphs, and sorting techniques, with hands-on problem-solving to strengthen programming skills. Duration: 50 hours.
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- Implementation of Binary Search Tree was done as a project during the training period, Which gave insight into the Data structure and made a better understanding of the uses of the data structure.

Projects

Password verification using python   **Aug 2024 - Nov 2024**

- Developed a basic password verification system in Python using `if-else` conditions.
- Implemented logic to check user-inputted passwords against predefined credentials.
- Ensured secure authentication by validating user input and providing appropriate access control messages

Stock Price Prediction Using Machine Learning   **Feb 2024 - Apr 2024**

- Built a machine learning model to predict stock prices using historical data and regression techniques.
- Applied data preprocessing and feature engineering to enhance prediction accuracy
- Conducted trend analysis to extract market insights and improve forecasting reliability.

Cloud-Based File Sharing System with Encryption   **Feb 2025 - Present**

- Developed a secure file-sharing system using AWS S3, integrating built-in encryption and access controls for data security.
- Implemented scalable cloud infrastructure with optimized storage, ensuring efficient file uploads, downloads, and management.

Certificates

Data Structures and Algorithms   **Aug 2024**

Cipher Schools

Programming In C++: A Hands-on Introduction   **Mar 2024**

Coursera — Certificate Link

ChatGPT Advanced Data Analysis   **May 2024**

Coursera — *Certificate Link*

Technical Skills

Languages C++, Java, Python

Technologies/Frameworks: TensorFlow, YOLOv8, Matplotlib, OpenCV

Skills: Data Structures and Algorithms, Machine Learning Models, Deep Learning, Neural Networks

Education

Lovely Professional University Punjab   **Oct 2022 – Present**

Computer Science and Engineering — CGPA: 6.76   *Jalandhar, Punjab*

CVHSS   **Jun 2020 – 2022**

12th with Science — Percentage: 96.2%   *Palakkad, Kerala*

CVHSS   **Jun 2019-2020**

10th with Science — CGPA: 9.7   *Palakkad, Kerala*