Atul Kashyap

Summary

I have keen interest in software development and likes to learn algorithms and love to solve complex problems through my programming and software design skills. I like working on ideas, refining them and enjoy transforming them to useful products through code. Particularly interested in Full stack development, low level and high level design, Deep Learning and working on breakthrough new technologies.

Work Experience

Undergraduate Student Researcher

KLE TECHNOLOGICAL UNIVERSITY
Vidyanagar Hubli Karnataka India

- We proposed a methodology that compresses large AI models (DNN or CNN) and improves the inference time such that it can be deployed on edge-devices.
- The accuracy loss of the proposed algorithm drops by only 0.44 percent after Pruning and Quantization is applied.

Student Developer at Crio.do

- Develop QTrip web application for the tourist attraction places.
- Develop QKart web application for the e-commerce customer.

Projects

[SAMSUNG PRISM] AI model Compression using pruning and quantization such that it can deploy on edge-devices.

- Develop a standalone system that compresses large AI model such that it can be deployed on edge-devices.
- Improves the inference time, does not exhibit accuracy loss, and reduce model size by 4X.

Web Development Project using Java Script, React.js, Node.js and MongoDB (MERN Full stack development).

- Develop a weather forecasting and task scheduling application using Node.js.
- Develop an ecommerce website using React.js, Redux, Hook and GraphQL.

Money share/transfer application like Split wise low-level design in C++.

- Every user who uses the app should be registered. Only registered users can be involved in expense metrics.
- At any point of time, the application can print the total sum owed and individual amounts owed to and by each user.

Education

KLE TECHNOLOGICAL UNIVERSITY **2017 - 2021**
Vidyanagar Hubli Karnataka India

- B.E in computer science and engineering.

Publication

AI Model Compression for Edge Devices Using Optimization Techniques.

International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) Conference 2020.

Contact

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Hacker Rank: https://www.hackerrank.com/vizvasya
LeetCode: https://leetcode.com/vizvasya/

Technical Skills

- C/C++
- Java
- HTML
- CSS
- JavaScript
- React
- Node
- Angular
- Python
- Git/Github
- Data Structure and Algorithm
- Algorithm Design and Analysis
- Object Oriented Design
- System Design
- Deep Learning

Language

- English
- Hindi
- Maithili

Hobbies

- Cooking
- Reading books and articles