Ashish Singh

Keenly interested in Competitive Coding and Software Development. I am Hardworking, determined ,dedicated ,self learner and a team worker.I want to pursue my career in the field of Software Engineering and work with latest technologies for the development smart software for the welfare of organisations, day-to-day life and society.

✉ ashishkumar2017vit@gmail.com

📱 9423903697

in linkedin.com/in/ashish-singh-2132151a4

○ github.com/ashishsingh2022

EDUCATION

Bachelor of Technology(Information Technology)
Vellore Institute of Technology

07/2017 - Present   9.18 CGPA

Intermediate
Hislop College

04/2015 - 04/2016   89.08%

High School
Kendriya Vidyalaya Ajni

04/2013 - 04/2014   10 CGPA

PERSONAL PROJECTS

Hybrid Cryptographic Algorithm For File Sharing over Email
- Sharing files securely is great challenge in real-world .In this project I developd a user interface integrated with cryptographic techniques like AES,RSA and SHA256 for file sharing.
- Used HTML, CSS ,Flask and Cryptographic libraries such as Crypto.
- To increase the efficiency of encryption algorithms for large text and reduce storage size applied Huffman Algorithm based File size compressor

Optimized Neural Network For Image Classification-Using Pruning Techniques
- A convolutional neural network is generally preferred for image classification based applications. In this project, I designed a pruned artificial neural network model to classify images that has better performance than an ordinary CNN based classifier.

Rock Identification Using Deep Convolution Neural Network
- Developed a user interface using flask and used python libraries to build a Convolution Neural Network classify rocks into different categories using rock images.The created model was saved for later use and greater efficiency of the interface instead of repetitive training.

Handling Mutual Exclusion In Distributed Baking Environment Using Ricart Agrawala Algorithm
- We have used concepts of socket and threads and modelled mutual exclusion in a banking scenario using Ricart– Agrawala algorithm .

SKILLS

C++   SQL   Data Structure and Algorithms   Core Java   Flask   HTML   CSS

ACHIEVEMENTS AND AWARDS

•Received Merit Scholarship and Award from VIT for securing a rank in top-five ranks in IT department consecutively for academic years 2017-18 and 2018-19.

• 3 Star coder at CodeChef with a Highest Rating of 1700+ .

WORK EXPERIENCE

Smart Bridge ,Remote Internship
Worked on Neural Network and Machine Learning Algorithms and completed project on Rock Classification Using Convolution Neural Network.

CERTIFICATES

Udemy:Python and Flask Bootcamp: Create Websites using Flask
Learnt about the Flask framework for developing fully functional websites with backend using Flaks.

Coursera Neural Networks and Deep Learning
Deep learning is a new superpower that will let us build AI systems that just weren't possible a few years ago,hence a deep understanding is necessary.From this course I learnt the mathematics and intuitions behind the working of a neural network.

Geeks For Geeks Placement100
Understanding Data structure and algorithms helped me in understanding the nature of the problems at a deeper level and thereby finding a better solution to the problems.

LANGUAGES

English ●●●●

Hindi ●●●●

German ●○○○○

INTERESTS

Gardening   Playing Badminton and Football   Music