



## **Department of Computer Science and Engineering**

Date: 12-11-2022

### **Report on 3 Days Hands on Workshop on Computer Vision using CNN**

Date: 02-11-2022 to 04-11-2022

Time: 09:00 AM- 04:00 PM

Venue: 6th Floor Seminar Hall

Number of Students registered: 87

The Department of Computer Science and Engineering has organized a 3- Days hands-on workshop on Computer Vision using CNN. The workshop started with welcome address from Mrs. Anitha J,HOD ,CSE for the resource persons and students. She motivated students to make full utilization of the workshop for their career advancement.

The workshop had 2 resource persons- **Mr. Vivek Chaudhary**, Research Fellow (Data Science) at AlmaBetter , Noida and **Mr. Ananth Gupta** , Machine Learning Engineer , Rapid Acceleration, Noida.

**Mr. Vivek Chaudhary** has started his career with Kreditbee as an ORM analyst & worked with ineruron.ai as a Data Scientist & expertise with computer vision worked with ExperioTech Pvt. Ltd. as a Lead Computer Vision Engineer & worked at Visai labs Chennai as a Computer Vision Engineer. Also worked with different startups like vitra.ai as a Strategist Analyst, Associate research fellow at CodeVector & director of Operations at Neurodynamic.ai. He has also mentored more than 5000+ professionals in AI space in collaboration with Upgrad, Board Infinity, EC Council, Packt & also worked with multiple clients as a freelancer data scientist apart from this he has also mentored Global AI hackathon at hackmakers, Global AI and also a Thought Leader for Computer Vision at Global AI. He is an Author of "Data Investigation-EDA the right way" one of the most selling book available on Amazon. He has expertise with EDA, Machine Learning & Computer Vision experience with 4+ years of experience.

**Mr. Ananth Gupta** has an expertise with Computer Vision & Machine Learning with 3+ years of experience. Build several products In collaboration with different companies like Experio Tech. Pvt. Ltd. Delhi, NeuroDynamic.AI Bangalore, VergAI with respect to computer vision and machine learning. Mentored 1500+ professionals in AI space (computer vision & machine learning). Build several courses in deep learning and machine learning in collaboration with the EC Council and Board Infinity. Since last year have been working on designing OpenCV Based Machine Learning Algorithms in current origination, MLOPS and integration of CI/CD pipeline for machine learning products, Automating & Optimizing ML model training & inference time, Research and integrated SOTA DL algorithms & maintain a high-quality code base. Conducted different hackathons & webinars across different colleges & meet-ups across Himachal during solo trips this year.

In the workshop, students learnt the basics of computer vision technology and its basics. Computer vision implementation was taught using Pytorch. They have also learnt the basics of Pytorch. Basics of Neural networks, activation functions, receptive fields etc. were taught to students. Later , how through OpenCV they can process an image , they can extract features of an image etc were taught. Some glimpses of the workshop are attached here.

Through , this workshop 3 students , namely Shrestha Bekinal (5<sup>th</sup> Sem , CSE B Section), Hariank Dwivedi( 5<sup>th</sup> Sem , CSE A Section ) and Samyak Tantradi (5<sup>th</sup> Sem , CSE B Section) were selected as freelance interns to work with AlmaBetter.

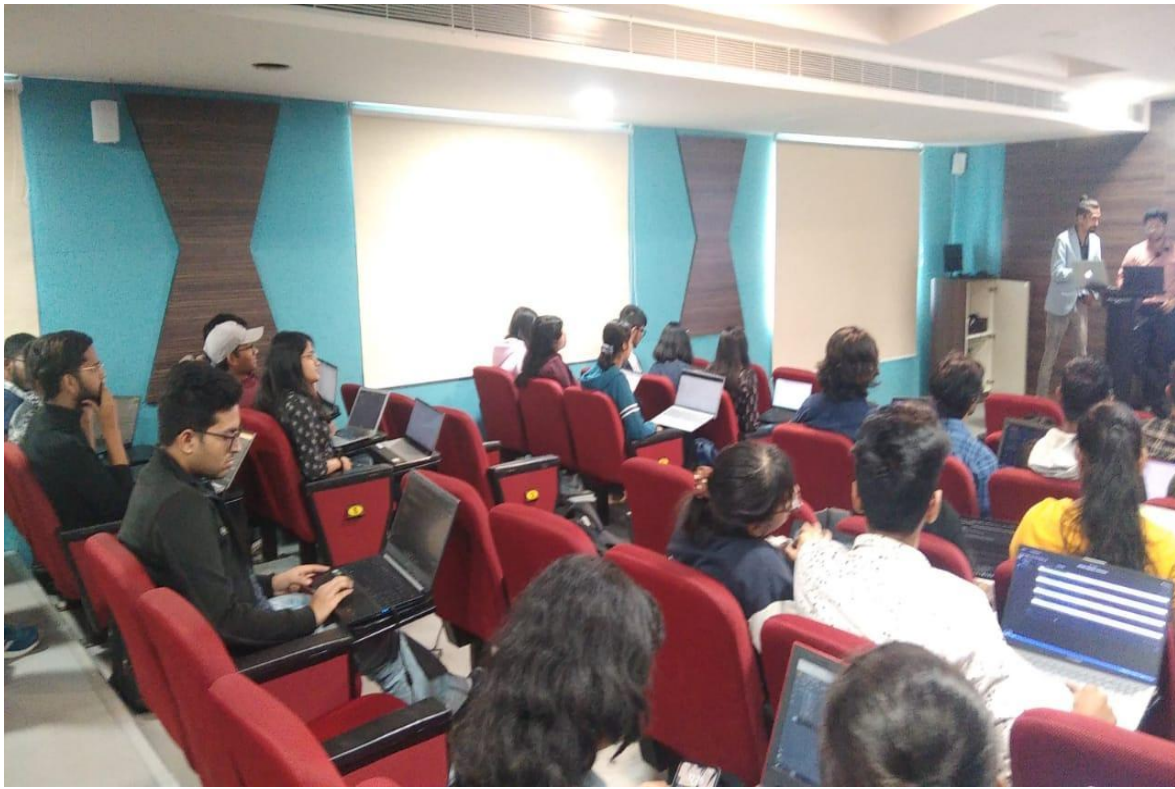
All the participants were awarded certificates from AlmaBetter and RVITM for attending the workshop. Students were also suggested datasets and problem statements to work on so that they further take it up to explore the field in future.

The program ended with inspiration and vote of thanks from HOD, CSE.

### Few Glimpses of Workshop







Dr. Surbhi Agrawal  
Prof. Srividhya V R  
Prof. Nandita Bangera

**Faculty Coordinators**

Dr. Anitha J  
HOD, CSE,  
RVITM