

# ANSHU KUMAR

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electronic Engineering IIT (BHU), Varanasi	7.90	2025
TSBIE (XII)	PAGE Junior College, Hyderabad	98.200	2021
WBBSE (X)	Shree Jain Vidyalaya, Howrah	86.000	2019
SKILLS			
<ul style="list-style-type: none"><li>• <b>Programming Languages:</b> C, C++, python</li><li>• <b>Technologies and Framework:</b> NumPy, Git/Github, Tensorflow, Visual Studio Code</li><li>• <b>Area of Interests:</b> : Data Structure and Algorithm, Competitive Programming, Machine Learning, Deep Learning</li></ul>			
PROJECTS			
<b>Image inpainting   Mosaic'23</b>			April'23
<ul style="list-style-type: none"><li>• Design a Deep Learning Model to Reconstruct the Image from the image with a missing pixels while retaining the Original Characteristics of image.</li><li>• We train a neural network to predicts missing parts of an image such that the prediction are both visually and semantically consistent.</li><li>• We use a CIFAR10 dataset to train the model and test on the given dataset.</li><li>• <b>Exposure:</b> Python Keras and Tensorflow,CNN</li></ul>			
<b>Diagnosis of patient's lung condition - detection of crackles and wheezes   Mosaic'23</b>			April'23
<ul style="list-style-type: none"><li>• Converted the audio file to the image using the librosa library to get an idea of the audio and preprocessed the data, for this we paired the audio file and their corresponding text file.</li><li>• Our model is a CNN developed using Keras and a Tensorflow back-end.Feature detection is the main aim of a convolution layers.</li><li>• <b>Exposure:</b> Python Keras and Tensorflow, CNN</li></ul>			
<b>Green House Monitoring</b>			
<ul style="list-style-type: none"><li>• Calibrated the readings taken by the sensors and operated the working components under limits using Arduino.</li><li>• Our device provides a regulated environment in the green house for agriculturewhere critical parameters like temperature, light, humidity of soil can be monitored with the help of sensor systems.</li><li>• <b>Exposure</b> : Arduino Coding, Working of various sensors</li></ul>			
POSITION OF RESPONSIBILITY			
<b>PR Co-coordinator under Udyam'23</b>			Nov'22 - April'23
<ul style="list-style-type: none"><li>• Successfully fulfilled the responsibility of bringing participation and extensive coverage of all the events in UDYAM, the annual technical fest of Electronics Engineering Society, IIT BHU.</li></ul>			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none"><li>• <b>Pupil</b> on codeforces with max rating of<b>1267</b> (ID: <a href="#">Anshu_240</a>).</li><li>• <b>2-STAR</b> on CodeChef with Max Rating of-<b>1585</b> (ID: <a href="#">anshu613</a>)</li><li>• Secured <b>Global Rank 233 and 189</b> in Codechef Starters 92 and Starters 94 respectively.</li><li>• Secured <b>Global Rank 239</b> in Competitive Programming contest <b>DEVBITS</b> Udyam'23.</li><li>• Secured <b>2nd Position</b> in <b>Snapchase</b> held under FMCW'23 IIT (BHU) Varanasi.</li></ul>			
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none"><li>• Participated and Completed Problem Statement of tech events such as <b>Mosaic'23, Cassandra'23, Devbits'23</b> in Udyam'23.</li><li>• Participated in Day 2 Quiz of <b>Online Quizzing Festival (OQF)</b> season 8 by <b>IIT MADRAS</b></li><li>• Participated in <b>Capture The Flag</b> event organised by <b>Technex'23</b>, IIT BHU</li><li>• Solved <b>500+</b> problems of DSA and competitive programming on different coding platforms</li></ul>			

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