

# UTKARSH KUMAR

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electronic Engineering IIT (BHU), Varanasi	8.09	2025
BSEB (XII)	COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA	90.000	2020
CBSE (X)	THE EARTH PUBLIC SCHOOL SRIPALPUR PUNPUN PATNA BIHAR	89.400	2018
SKILLS			
<ul style="list-style-type: none"><li>• <b>Languages</b> : C, C++</li><li>• <b>Area of interest</b> : Competitive Programming, Data Structures and Algorithms</li></ul>			
PROJECTS			
<b>Green House Monitoring</b>			Feb'15
<ul style="list-style-type: none"><li>• Engineered a cutting-edge system that maintains a controlled agricultural environment in the greenhouse including temperature, light intensity, and soil humidity.</li><li>• Proficiently operated essential components within designated thresholds using Arduino, safeguarding greenhouse conditions and equipment.</li><li>• <b>Exposure</b> : Arduino, LM35, LDR Sensor</li></ul>			
<b>Huffman Encoding Based File Compression</b>			April'22
<ul style="list-style-type: none"><li>• Successfully executed Huffman coding algorithm to compress a substantial text file, effectively conserving memory resources.</li><li>• Proficiently reversed the compression process, accurately restoring the original file from the compressed format.</li><li>• <b>Exposure</b> : Huffman encoding algorithm, C++</li></ul>			
<b>Path Finding Visualizer</b>			March'23
<ul style="list-style-type: none"><li>• Designed and crafted an interactive pathfinding visualizer, demonstrating proficiency in diverse pathfinding algorithms such as <b>A* Algorithm, DFS, BFS, and Dijkstra</b>.</li><li>• Orchestrated the implementation of a maze generation algorithm employing <b>Prim's Algorithm</b>.</li><li>• <b>Exposure</b> : HTML, CSS, A* algorithm, Prim's Algorithm</li></ul>			
POSITION OF RESPONSIBILITY			
<ul style="list-style-type: none"><li>• <b>PR Co-Coordinator</b> : Successfully fulfilled the responsibility of bringing participation and extensive coverage of all the events in UDYAM(Technical Fest), UDGAM(Cultural Fest) and Mashal(Sports Event), the annual fests of Electronics Engineering Society, IIT BHU.</li></ul>			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none"><li>• Secured Rank <b>12</b> in <b>CODIGO</b>, a Competitive Programming event of <b>Prastuti'23</b>.</li><li>• Secured <b>Global Rank 58</b> in December Long 2022 Division 3 on <b>Codechef</b>.</li><li>• Secured <b>Global Rank 63</b> in Competitive Programming contest <b>DEVBITS Udyam'23</b>.</li><li>• Secured <b>Global Rank 1942</b> in Codeforces Round 877 (Div. 2).</li><li>• Secured AIR <b>3219</b> in <b>JEE Mains 2021</b>.</li><li>• Secured AIR <b>6053</b> in <b>JEE Advanced 2021</b>.</li><li>• Secured State(Bihar) Rank <b>22</b> at Young Scientist Talent Test conducted jointly by <b>UNI-GLOBAL</b> Technologies Inc., USA and <b>Sri Chaitanya</b>.</li></ul>			
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none"><li>• Secured Rank <b>1</b> in <b>Hinkhoj</b> organised by Literary Club of <b>IIT BHU</b>.</li><li>• Secured Rank <b>2</b> in <b>Snapchase</b> organised by <b>FMC</b> of <b>IIT BHU</b>.</li><li>• Participated in <b>Devbits, Cassandra</b> and <b>Mosaic</b> of <b>Udyam'23</b>, the Annual Technical Festival of Electronics Engineering Society of IIT BHU.</li><li>• Participated in <b>Capture the Flag</b>, organised by <b>Technex'23</b> the Annual Techno-Management Fest of IIT BHU.</li></ul>			

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