

# Arshneet Kaur

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## Education

<b>VIT Bhopal University</b> BTech in Computer Science, Minors in Artificial Intelligence and Machine Learning Cumulative GPA: <b>9.01/10</b>	Bhopal, Madhya Pradesh Expected May 2026
<b>12<sup>th</sup> Standard</b> <b>Jain International School</b> CBSE Percentage- <b>91.8%</b>	Nagpur, Maharashtra July 2022

## Projects

<b>Abstractive Summarizer for YouTube Videos</b>   Python, Flask, API, TensorFlow	Feb 2024- Apr 2024
<ul style="list-style-type: none"><li>Developed an intelligent summarization engine which processed and summarized YouTube videos, utilizing NLP techniques to extract key information; streamlined content creation for users, saving approximately 3 hours per week on average.</li><li>Devised a comprehensive method for extracting and pre-processing video transcripts from YouTube using API tools, which streamlined the summarization process and improved content retrieval speed.</li><li>Achieved 95% accuracy in the summary generation for a variety of video content including news and entertainment.</li><li>Designed and integrated a summarizer with a user-friendly frontend to enhance accessibility for hearing-impaired users.</li></ul>	
<b>Image Based Nutrition Value Estimation</b>   Python, Pandas, TensorFlow, R-CNN, OpenCV	Aug 2023- Nov 2023
<ul style="list-style-type: none"><li>Deployed a sophisticated and innovative deep learning solution that interprets food images for nutritional analysis, resulting in the processing of images of food.</li><li>Achieved 94.2% accuracy in predicting the correct nutritional values (e.g., calories, protein, fat, carbohydrates) by training the model using various food databases and optimizing data structures.</li><li>Engineered a deep learning model employing image segmentation and HOG techniques to analyse images, resulting in a 25% increase in data extraction accuracy from the database.</li><li>Designed and implemented a comprehensive data processing system that leveraged Big Data analytics to extract nutritional insights and increasing overall project efficiency.</li></ul>	

## Extracurricular

<b>Bashcraft Club</b> Co-Lead (PR and Outreach Team)	Feb 2024- Oct
<ul style="list-style-type: none"><li>Successfully led 'Invest-o-thon,' a finance hackathon and webinar in collaboration with Zerodha, engaging over 150 participants. Provided insights into portfolio management and financial engineering while collaborating effectively.</li><li>Conducted 'Asli Engineering' event which involved established staff engineers guiding the students about the corporate world and solving their queries with 100+ participants.</li></ul>	
<b>NULL VIT Bhopal</b> Event Management Team Member	Mar 2024- Present
<ul style="list-style-type: none"><li>Successfully coordinated a national cybersecurity competition, 'SECVIT,' with participation from more than 50 Indian universities.</li><li>Conducted and managed multiple cybersecurity seminars and capture-the-flag (CTF) competitions, attracting over 400+ registrations.</li></ul>	

## ADDITIONAL

<b>Technical Skills:</b> C++, Python, Java, SQL, Excel, MS Office, MATLAB, HTML, CSS, JavaScript
<b>Languages:</b> English, Hindi, Punjabi, Conversational proficiency in Japanese
<b>Certifications and Training:</b> Applied Machine Learning in Python (Coursera) – Dec 2023 Privacy and Security in Online Social Media (NPTEL) – May 2024 MATLAB and SIMULINK On Ramp – July 2022