



Registration Number: 20BCE10397

Email-Harsh.agnihotri2020@vitbhopal.ac.in

<https://www.linkedin.com/in/harsh-agnihotri-651226252>

<https://github.com/harshagnihotri10>

Phone: +91 9407074746

# Harsh Agnihotri

**Technical Skills:** C++, HTML, CSS, Java, Python

**Certifications:** AWS Certified Cloud Practitioner, July 16, 2023.

Artificial Intelligence Powered by Google Developers, July 7, 2023.

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	September 2020–Ongoing	Vellore Institute of Technology, Bhopal	7.64/10
Class XII	May 2019	Shri Krishna Public School, Indore	69%
Class X	May 2017	Agrawal Public School, Indore	8.6/10

ACADEMIC PROJECTS	
AWS Cloud	<ul style="list-style-type: none"><li>▪ <b>CloudWeaver (AWS Virtual Private Cloud (VPC))</b> (July, 2023 – August, 2023)<ul style="list-style-type: none"><li>- <b>Description:</b> Designed and implemented a robust AWS VPC infrastructure to establish secure networking environments. Configuration encompassed VPC setup, subnet creation, route table management, and security group definitions.</li><li>- <b>Technology:</b> AWS CloudFormation, Amazon VPC, EC2, Security Groups.</li><li>- <b>Link and Results:</b> <a href="https://github.com/harshagnihotri10/CloudWeaver">github.com/harshagnihotri10/CloudWeaver</a>.</li></ul></li></ul>
Embedded Systems	<ul style="list-style-type: none"><li>▪ <b>GestureFlix ( Gesture-Controlled Video Player)</b> (March, 2023 – May, 2023)<ul style="list-style-type: none"><li>- <b>Description:</b> A Gesture Controlled Video Player with voice recognition project using Raspberry Pi and MediaPipe. Designed and implemented the entire system, including gesture recognition, video playback control, UI design, and voice commands integration.</li><li>- <b>Technology:</b> Python, MediaPipe, OpenCV, PySimpleGUI, SpeechRecognition, OMXPlayer.</li><li>- Role: Full-stack Developer.</li><li>- <b>Link and Results:</b> <a href="https://github.com/harshagnihotri10/GestureFlix">github.com/harshagnihotri10/GestureFlix</a>.</li></ul></li></ul>
Machine Learning Model	<ul style="list-style-type: none"><li>▪ <b>SocialSense (Machine Learning Model)</b> (November, 2022 -January, 2023)<ul style="list-style-type: none"><li>- <b>Description:</b> Developed a Machine Learning Prediction Model for Sentiment Analysis on Social Media platforms. Among a proficient 5-member team, primarily contributed to the critical facets of data processing and debugging.</li><li>- <b>Technology:</b> Python, panda, NLTK, JupyterLab.</li><li>- <b>Link and Results:</b> <a href="https://github.com/harshagnihotri10/SocialSense">github.com/harshagnihotri10/SocialSense</a>.</li></ul></li></ul>
Website	<ul style="list-style-type: none"><li>▪ <b>Fit-O-Cracy (Fitness Website with Generative AI )</b> (October, 2021 – December, 2023)<ul style="list-style-type: none"><li>- <b>Description:</b> Engaged in the design and implementation of a dynamic fitness and diet website offering users personalized insights into their fitness levels, tailoring workouts aligned with their unique body types, and appropriate calorie and vitamin intake.</li><li>- <b>Technology:</b> HTML, CSS, JavaScript, Adobe Dreamweaver, ReactJS.</li><li>- <b>Link and Results:</b> <a href="https://github.com/harshagnihotri10/Fit-o-cracy">github.com/harshagnihotri10/Fit-o-cracy</a>.</li></ul></li></ul>

INTERNSHIP	
Unitrel Technologies (1 <sup>st</sup> Nov 22 – 15 <sup>th</sup> Jan 23)	<ul style="list-style-type: none"><li>▪ <b>Features based Machine Learning Prediction Model for Sentiment Analysis on Social Media:</b><ul style="list-style-type: none"><li>- Assignment was to make a Machine Learning Prediction Model for Sentiment Analysis on social media, debug and process the data with a team of interns.</li><li>- After two months of research &amp; brainstorming, we made an application that can perform the required task. Application was approved by the company.</li></ul></li></ul>

EXTRA-CURRICULARS AND ACHIEVEMENTS	
Achievements	<ul style="list-style-type: none"><li>▪ CTS Prodigy Hackathon (Top – 5 in college)</li></ul>
Responsibilities	<ul style="list-style-type: none"><li>▪ Documentation &amp; Blogging head of Anime Club, AdvITYa (Inter University Techno-Cultural Festival) - 2022</li></ul>
Extracurricular	<ul style="list-style-type: none"><li>▪ Indore Cricket District Level Selection Certificate – 2014</li><li>▪ Part of Cricket Club of Indore (CCI – under MPCA).</li></ul>

ADDITIONAL INFORMATION	
Hobbies	<ul style="list-style-type: none"><li>▪ Cricket – Participated and played in various competitions and matches.</li><li>▪ Fitness - Workout daily to be active and healthy.</li></ul>
Languages	<ul style="list-style-type: none"><li>▪ Hindi, English</li></ul>