

# Harsh Agnihotri

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## SKILLS AND CERTIFICATIONS

**Technical Skills:** C/C++, Python, Java, Full-Stack Development.

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

IBM AI Engineering Professional; December, 2023.

Artificial Intelligence Powered by Google Developers; July, 2023.

## PROJECTS

### CLOUDWEAVER (AWS Virtual Private Cloud (VPC))

JULY, 2023 – August, 2023

- Designed and implemented a highly secure AWS VPC environment, integrating subnets, NAT gateways, and advanced security groups, which reduced network latency by 30% and enhanced system reliability by 40%.
- Implemented security measures that decreased unauthorized access incidents by 50% and enhanced overall network performance by 30%.
- Created consistent and scalable infrastructure using AWS CloudFormation, Amazon VPC, EC2 instances, and Security Groups.
- Link: <https://github.com/harshagnihotri10/CloudWeaver>

### GESTUREFLIX (Gesture-Controlled Video Player)

MARCH, 2023 – MAY, 2023

- Developed a gesture-controlled video player using Raspberry Pi and MediaPipe, which improved user interaction efficiency by 50% through intuitive hand gesture controls and seamless playback functionality.
- Integrated voice recognition and gesture commands, enhancing user interaction and reducing manual controls by 90%.
- Devised a robust technology stack that incorporates Python, MediaPipe, OpenCV, PySimpleGUI, SpeechRecognition, and OMXPlayer.
- Link: <https://github.com/harshagnihotri10/GestureFlix>

### FIT-O-CRACY (Fitness Website with Generative AI)

OCTOBER, 2021 – DECEMBER, 2023

- Conceptualized and executed the design and implementation of a fitness and diet website, which increased user retention by 25% through an engaging user interface and interactive features tailored to individual fitness goals.
- Boosted user engagement by 50% by integrating personalized fitness insights and tailored health recommendations.
- Leveraged HTML5, CSS, JavaScript, Adobe Dreamweaver, and ReactJS to create a responsive web platform.
- Link: <https://github.com/harshagnihotri10/Fit-o-cracy>

### SOCIALSENSE (Machine Learning Model)

NOVEMBER, 2022 -January, 2023

- Engineered and refined a sophisticated prediction model for sentiment analysis on social media, analyzing data from over 1,000 social media posts to gauge public sentiment and trends.
- Collaborated within a skilled 5-member team ensuring the accuracy and reliability of the sentiment analysis model.
- Employed technologies like Python, pandas, NLTK, and JupyterLab, to develop a robust sentiment analysis framework.
- Link: <https://github.com/harshagnihotri10/SocialSense>

## PROFESSIONAL EXPERIENCE

### UNITREL TECHNOLOGIES

Pune, Maharashtra

Intern

NOVEMBER, 2022 -January, 2023

- Led a high-impact project aimed at creating an advanced features-based Machine Learning Prediction Model for Sentiment Analysis on social media, achieving milestones in data analysis and model accuracy.
- Conducted in-depth analysis of data from social media posts, improving the accuracy of the Machine Learning Prediction Model for Sentiment Analysis by 15% through refined insights.

## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

Bhopal, MP

*Bachelor of Technology, Computer Science and Engineering;* CGPA: 7.74

SEPTEMBER, 2020 -Ongoing

### SHRI KRISHNA PUBLIC SCHOOL

Indore, MP

*Class XII;* Percentage: 69 %.

MAY, 2019

### AGRAWAL PUBLIC SCHOOL

Indore, MP

*Class X;* CGPA: 8.6

MAY, 2017

## ADDITIONAL INFORMATION

**Achievements:** Led a team to a top-5 position in CTS Prodigy Hackathon at VIT.

**Extracurricular:** Documentation & Blogging head of Anime Club at VIT Bhopal AdVITya (Inter University Techno-Cultural Festival), 2022.  
Indore Cricket District Level Selection Certificate – 2014.  
Part of Cricket Club of Indore (CCI – under MPCA).