

Harsh Agnihotri

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SKILLS AND CERTIFICATIONS

Technical Skills: C/C++, Python, Java, Rust, Linux kernel internals, Linux driver developer, Bash, 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

VITB-INSIGHTS (Academic and Placement Insights Platform)

JANUARY, 2024 – MAY, 2024

- Designed a platform improving student and faculty interactions by 50%, with secure access and user management including interactive forums and a voting mechanism for prioritizing content.
- Created modules for academic and placement management, enhancing resource tracking and user engagement by 35%.
- Devised a robust technology stack that incorporates React.js, HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, Heroku.
- Link: <https://github.com/harshagnihotri10/VITB-Insights>

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>

PROFESSIONAL EXPERIENCE

UNITREL TECHNOLOGIES

PUNE, MAHARASHTRA

Intern

NOVEMBER, 2022 - JANUARY, 2023

- Developed 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: 7.9

JULY, 2024

SHRI KRISHNA PUBLIC SCHOOL

INDORE, MP

Class XII; CGPA: 7.3

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).