

# HARSHITH VARMA RUDRARAJU

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## EDUCATION

B V Raju Institute of Technology, Hyderabad, IN	
Bachelor of Technology, Computer Science and Business Systems	Oct 2020 – May 2024
<b>Relevant Courses:</b> Machine Learning, Computer Networks, Analysis of Algorithms, Object Oriented Programming, DBMS with SQL	CGPA: 7.57/10
Intermediate - XII(TSBIE)	2018-2020
Narayana Junior College, JNTU, Hyderabad	Percentage:84.3%
Schooling-X (CBSE)	2017-2018
Silver Oaks International School, Bachupally, Hyderabad	Percentage:62.8%
University of Alabama at Birmingham, Birmingham Alabama 35205	Aug 2024- June 2026
Masters of Science in Data Science	Gpa-3.88

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, familiar with C++
- **Development Platforms:** IntelliJ, Visual Studio.
- **Operating Systems:** Windows XP/7/8/10 and Linux (Ubuntu).
- **Web Technologies:** Familiar with HTML, CSS, XML.
- **Miscellaneous:** Machine Learning, TensorFlow, familiar with Android Development and Fundamentals of Block Chain

## ACADEMIC PROJECTS

- **Machine Learning-**
  - 1 Video Frame Analysis and Face Clustering- Developed a Python project using OpenCV to extract frames from video files and save them as images. Implemented Haar Cascade classifiers for face detection within the frames. Designed a mechanism to cluster and save unique faces while filtering out duplicates, utilizing techniques like resizing and DBSCAN clustering.
  - 2 Lip movement to Text Conversion-Developed an advanced lip movement-to-text conversion system utilizing deep learning to transcribe spoken words from lip movements into text. This innovative project focused on bridging the gap between visual cues and textual information, with applications in speech recognition.
- **Artificial Intelligence and API -**
  - 1 Conversational Chatbot Development-Created a conversational chatbot using Python and integrated OpenAI's natural language processing capabilities. Enhanced user interactions and improved customer experience through contextually appropriate responses.

## CERTIFICATIONS:

- Introduction to blockchain by TCS
- Python basic skill certificate by HACKER RANK
- Python data structures: stacks, queues, dequeues by LINKEDIN
- Certificate of Participation in Flipkart Grid 4.0 software development challenge by UNSTOP

## ACHIEVEMENTS:

### CO-CURRICULAR:

- Organised an event called 2k run for an NGO called Street Cause.
- Orchestrated and led a team for a prestigious national tech symposium, overseeing the successful planning, organisation, and execution of the event called "DECRYPT"