

## EDUCATION

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- **B.Tech/M.Tech Dual Degree in Computer Science and Engineering** 2019-24  
*National Institute of Technology(NIT) Hamirpur, India* UG/PG CGPA: 9.44/8.67
- **Senior Secondary Education (CBSE)** 2019  
*J.C.B Sr. Sec. School, Shimla* 92.8%
- **Secondary Education (CBSE)** 2017  
*Convent of Jesus and Mary, Shimla* CGPA: 10

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C/C++, Python, SQL, HTML, CSS, JavaScript

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Other:** Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing.

**Soft Skills:** Problem-Solving, Self-learning, Presentation, Adaptability, Time Management, Team Work, Communication, Critical Thinking

## PERSONAL PROJECTS

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- **Vehicle Detection (using Digital Image Processing)**  
*Detect the vehicle's coordinates and focus on that particular vehicle in the video.*
  - Tracking, detecting, and counting vehicles using image processing.
  - Technology Used: Matlab
- **Audio Visual Emotion Recognition**  
*Using verbal and non-verbal communication channels to create a system in which the emotional state is more clearly expressed.*
  - Expanding the focus to several expression forms can facilitate research on emotion recognition and human-machine interaction.
  - Technology Used: Python and CNN
- **3D AIR-UNet**  
*An Attention-Inception-Residual based U-Net for Brain Tumor Segmentation from Multimodal MRI*
  - Enhance feature extraction and tumor localization in 3D data using an Inception-Residual block combined with attention mechanisms and skip connections in an encoder-decoder architecture.
  - Technology Used: Python, CNN, Keras, Tensorflow, Attention Mechanism

## PUBLICATIONS

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- **3D AIR-UNet: attention-inception-residual-based U-Net for brain tumor segmentation from multimodal MRI**  
\* Neural Computing and Applications, Volume 37, Issue 16, Pages 9969 - 9990

## ACHIEVEMENTS

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- **GATE 2024** Cleared GATE 2024 for Computer Science and Engineering 2024
- **UGC NET 2024** Cleared UGC NET 2024 for Computer Science and Applications 2024