

# Shivanshu

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Leetcode](#) |

## EDUCATION

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**GRAPHIC ERA UNIVERSITY - Dehradun, India**  
Bachelor of Technology, Computer Science & Engineering

*July 2019 - June 2023*  
*Cumulative GPA: 9.53/10*

**DAV Public School - Dehradun, India**  
Higher Secondary Education

*March 2017 - March 2019*  
*92.00 %*

**Carman School - Dehradun, India**  
Secondary Education

*March 2015 - March 2017*  
*92.14 %*

## WORK EXPERIENCE

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**SAMSUNG RESEARCH INSTITUTE BANGALORE - Remote**  
*PRISM Research Intern*

*Sept 2021 - Jan 2022*

- Led a team of three individuals researching about Matter specification.
- Tested SmartThings SDK and integrated it with matter build with on Tizen/Ubuntu Platform
- Communicated the findings with Samsung Mentors and worked on their Feedback.

## PROJECTS

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### Food Recognition

*Built Using - Python, TensorFlow, Keras, Flask*

- Uses CNN to detect the type of food in image from certain classes and tell the amount of calorie intake.

### Hand Gesture Recognition

*Built Using - Python, TensorFlow, Keras*

- Predict hand gestures using image segmentation and convolutional neural networks.
- Have a data generation module, to easily generate data.

### Recipe Recommendation System

*Built Using - Neo4j, nodejs, expressjs, w3css*

- Based on availability of ingredients with a user this application helps discover the list of possible dishes with these ingredients.
- Uses modern graph database - Neo4j.

### Hand Digit Recognition

*Built Using - tensorflow, python, p3.js, tf.js*

- Predict handwritten digit to accuracy of 99.0%
- Use tf.js for using the model in web app using javascript

## TECHNICAL SKILLS

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**Languages:** C, C++, Java, Cypher, SQL, javascript

**Databases:** MySQL, MongoDB, Neo4j

**Tools and Frameworks:** git, flask, django, node.js, AWS, TensorFlow, Hadoop, L<sup>A</sup>T<sub>E</sub>X, Tableau

## ACHIEVEMENTS

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### • Participated in D.A.V National Sports

*Won cluster and zonal level chess events and participated in D.A.V National Sports, 12 Dec - 14 Nov 2018*

### • Intellinovation GEU, 2021

*Developed [Ventilator Pressure Prediction](#) and got 2nd position and cash prize of Rs. 15,000*

- Solved over 1000 competitive programming problems so far on platforms like Leetcode and HackerRank.