

Shivanshu

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

EDUCATION

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

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

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

Auction Management System

Built Using - django, python, bootstrap, CBV

- System to put auction online for specified time.%
- Bidders can then bid on the product and the highest bidder wins

TECHNICAL SKILLS

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

Databases: MySQL, MongoDB, NeO4j

Tools and Frameworks: git, flask, django, node.js, AWS, TensorFlow, Hadoop, L^AT_EX, Tableau

ACHIEVEMENTS

• 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

• Intellinnovation 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.