Shivanshu

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LinkedIn | GitHub | Portfolio | Leetcode |

EDUCATION

GRAPHIC ERA UNIVERSITY - Dehradun, India *July 2019 - June 2023*
Bachelor of Technology, Computer Science & Engineering *Cumulative GPA: 9.53/10*

DAV Public School - Dehradun, India *March 2017 - March 2019*
Higher Secondary Education *92.00 %*

Carman School - Dehradun, India *March 2015 - March 2017*
Secondary Education *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 with on Tizen/Ubuntu Platform
- Communicated the findings with Samsung Mentors and worked on their Feedback.

PROJECTS

Auction Management System
Built Using - django, python, bootstrap
- **Objective:** To built a web app which provides functionality for conducting online auctions.
- Seller can set time for the auction to start and end, and set the minimum cost for bidding. Bidders can then bid on the product and bidder with highest bid wins.

Hand Gesture Recognition
Built Using - Python, TensorFlow, Keras, opencv
- **Objective:** To determine the hand gesture from video feed in real time.
- Used image segmentation and convolutional neural networks.
- Have a data generation module, to generate training data.

Recipe Recommendation System
Built Using - NeO4j, nodejs, expressjs, w3css
- **Objective:** Based on availability of ingredients with a user this application helps discover the list of possible dishes with theses ingredients.
- Uses modern graph database - NeO4j, to make links between ingredients and dishes.

Hand Digit Recognition
Built Using - tensorflow, python, p3.js, tf.js
- **Objective:** Predict handwritten digit form the provided image.
- Created a model using CNN with an accuracy of 99.0%
- Converted model to json format, used tf.js to load model and make predictions in web app.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, Scala, Cypher, SQL, javascript, HTML, CSS
Databases: MySQL, MongoDB, NeO4j
Frameworks and Libraries: flask, django, TensorFlow, streamlit
Tools and Software: node.js, Hadoop, LaTeX, Tableau, VSCode
Cloud Platforms: AWS, Azure, GCP
VCS: git

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*
- **Intellinovation AI Hackathon GEU, 2021 2nd place** *Developed Ventilator Pressure Prediction which uses deep learning mechanism to automate the ventilators used in hospitals.*
- Solved over 1000 competitive programming problems so far on platforms like Leetcode and HackerRank.
- Complete Google Cloud Foundations Course on qwikilabs, Data Science Fundamentals, Artificial Intelligence, Apache Sparks and SQL courses on Coursera and other certifications related to various programming languages.