

VISHAL JOSHI

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Education

Graphic Era Hill University

B.Tech. in Computer Science and Engineering — CGPA : 8.49/10 (till 6th Semester)

Sep. 2020 – Present

Dehradun, India

Technical Skills

Core: Data Structures, Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks.

Languages: C++ (Expertise), C, Java, Python, Shell Scripting, SQL, JavaScript (Intermediate).

Developer Tools: Visual Studio Code, IntelliJ, Eclipse, Sublime Text.

Technologies/Frameworks: Linux, Git, GitHub

Projects

Hand Written Digit Recognition — JavaScript (Tensorflow, Three.js, MNIST) | [Github](#)

- Hand Written Digit Recognition using javascript.
- Used Pre-trained model, **MNIST dataset** from Keras with CNN. (Convolutional Neural Network)
- **Libraries :** **jquery** - JQuery , **tensorflowjs** - JavaScript library for training and deploying machine learning models, **Chart.js** - JavaScript library for display charts, **Three.js** - 3-D visualization of the Predicted Digit.

Browser Extension — HTML, CSS, JavaScript | [Github](#)

- Developed a **browser extension and website** which help competitive programmers to keep track of their unsolved problems on Codeforces.
- User get all the links to unsolved problems with **click to redirect functionalities**.

Driver Sleepiness Detection Application — YOLO, Pytorch , Python | [Github](#)

- Perform Real Time Drowsiness Detection. Fine Tuning a Drowsiness Model using YOLOv5 and PyTorch.
- Detect Objects from Images and from Pre-Recorded Videos.
- Detect Objects in Real Time Using OpenCV.

Sorting Algorithm Visualizer — HTML, CSS, JavaScript: | [Github](#)

- A website that provides **visualization of working of sorting algorithms** (Insertion, Selection, Bubble, Quick, Merge, Counting, Shell, Radix) by sorting bars.

Position of Responsibility

Smart India Hackathon: Led a Team of 6, Cleared preliminary University round and **Qualified for Idea Submission Round**.

Competancy

LeetCode: Knight (1850+), February Challenge Winner , **550+ days streak, 1100+ Problems** | [Profile](#)

CodeChef: **3 star** ,Solved 280 + Problems, **Rated 1700 +**, Global **Rank 161** ,108 Div 3 Contests. | [Profile](#)

CodeForces: **Pupil** ,Solved 500 + Problems, **Rated 1350 +**, Global **Rank 659**, Div 3 Contest. | [Profile](#)

Github: **370+ stars and 100+ forks** Problem Solving Repository — **Hacktoberfest 2022**. | [link](#)

Achievements

Google Coding Competition: Google Kickstart secured **rank 3047 round E 2022**. | [link](#)

Winner: Recursive Coding Contest First Postion among 250+ participants across university. [link](#)

Certificates: Finalist TechWizard 2.0 [link](#), event by IEEE, IIC , ISTE, **Innovate India Coding Championship Finalist**. [link](#) by AICTE and IICC.