

VIVEK KUMAR RAY



FULL STACK DEVELOPER

ML AND AI DEVELOPER

EXPERIENCED IN ALGO
AND DS

ELECTRONICS AND
DIGITAL SIGNAL
PROCESSING

I am a seasoned web developer with a robust background that extends beyond conventional web development. My expertise encompasses a wide array of domains, including client-side machine learning, computational and graph-based algorithms, signal processing, and electronics – spanning from chip fabrication to designing simulator software.

Experience

Web Developer

Google Developers CLub
2023-2024

Hackathon

HacktoberFest ,
TechnoFest, Titiksha

Open Source Project

Currently working on Purr
Data(Pure Data – topic Digital
Signal Processing)

Contact

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SKILLS:

- 1.HTML
- 2.CSS
- 3.JavaScript
- 4.Express.JS
- 5.Next.JS
- 6.MongoDB
- 7.React.JS
- 8.C++
- 9.C
- 10.PYTHON
- 11.Tensorflow
- 12.Numpy
- 13.AI/ML
- 14.PCB Design
- 15.Signal Processing
- 16.MATLAB
- 17.Algorithm And Data Structures
- 18.Embedded Systems
- 19.Graph Theory
- 20.Arduino & RaspberryPi
- 21.Pure Data (Visual Programming)
- 22.Signal Analysis
- 23.Signal Modulation
- 24.Microprocessor(8085)
- 25.REST apis
- 26.Graph-QL apis

Education:

Btech – Electronics(Major) , WebD & ML(Minor)
Shri Mata Vaishno Devi University(Jammu & Kashmir)
Current CGPA : 8.32

Projects:

- 1.Website for Increasing the profit of Farmers
-->Used ML for Disease Identification of Crops
-->Real time Weather Updates and Warning
-->Price Updates
-->MultiLingual Website for Easy Intearction
-->ChatBot Integration In the website
- 2.Full Stack Typing Website that allows you to practice typing on your favourite algorithms .
--> Used MongoDB for DB, Nodejs , express for Backend and React for frontend .
- 3.Computer Vision Based Game that allows you to move objects on website uisng for finger gestures .
--> used Nodejs , express , react , and Tensorflow
- 4.RaspBerryPI & ML based Fruit Classifier(Good or Rotten Fruits and Vegetables)
--> Used TensorFlow to develop image Classifier that can classify good fuits from bad or spoiled ones
--> used RaspberryPi along with servoMotor to classify fruits
-->Used knowledge of Electronics as well as Machine Learning
5. Matlab based Signal Modulator and Filter
--> Used matlab
-->Modulated the generated signal and Filtered the noise