Vaibhav Mehra

AI Developer and Human Brain Enthusiast

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EXPERIENCE

UNIVERSITY OF COLORADO | RESEARCH INTERN
June 2022 - Present | Remote

- ➔ Working on the novel field of Evolutionary Neuropsychology.
- ➔ Analysing the Archaeological Data through Computational Techniques.
- ➔ Understanding the working of Different Brain regions and their behavioral importance.

WENZOR TECHNOLOGIES | SOFTWARE DEVELOPMENT ENGINEER
June 2022 – July 2022 | Noida

- ➔ Worked as Team Lead for development of Share Market Website.
- ➔ Worked over the backend API Development for the Data Analysis.
- ➔ Created the Opening Volume Prediction ML model with 98% Accuracy.

AIIMS, DELHI | RESEARCH INTERN
January 2022 – May 2022 | Delhi

- ➔ Worked on sMRI and fMRI scans of MDD and BP disorder patients.
- ➔ Learned segmentation and volumetric analysis of brain with 93% accurate results.
- ➔ Worked in a research dedicated environment.

PROJECTS

ROLE OF SOCIAL MEDIA CAMPAIGNS IN INDIAN ELECTIONS | DATA ANALYSIS
Jan 2022 - April 2022

- ➔ Pre Poll and Post Poll Tweet Analysis regarding UP 2022 Elections.
- ➔ Calculated the Net Hate Index for the Elections.
- ➔ Developed a generalized pipeline which can be used to analyze dynamics of any Poll.

NANOCARRIERS AND TREATMENT OF MDD | COMPUTATIONAL NEUROLOGY
Mar 2021 - Dec 2021

- ➔ Examined various Pathologies of MDD and understanding the role of NMDA in it.
- ➔ Figured out the nanocarriers and NMDA antagonists which can be used.
- ➔ Created the Computational Simulation of the working of proposed antidepressant.

MY ML LIBRARY | ARTIFICIAL INTELLIGENCE
March 2020 - Present

- ➔ This Github Repository contains most of my AI and ML projects.
- ➔ It includes Q learning based game AI, Neural Network based cancer detecting model and AI model to detect depression and other AI models created by me.

OTHERS

PORTFOLIO AND CERTIFICATES

- ➔ I am a Five Star Codechef Coder and Have Worked on lot more Internships and Projects which can be found out **on my Website.**.

EDUCATION

UNIVERSITY OF DELHI
B.TECH IN IT & MI
July 2019 - Present | Delhi, India
Cluster Innovation Centre
Marks: 9.34 / 10.0

VARDHAMAN SHIKSHA MANDIR
AISSCE XII, SCIENCE
March 2019 | Delhi, India
Percentage: 95%

SKILLS

PROGRAMMING

Experienced:
C • C++ • Python • JavaScript • Perl • MATLAB • PHP SQL • CSS • HTML • Shell • Typescript

Familiar:
R • Julia • Java • Dart • Golang • Rust

LIBRARIES/FRAMEWORKS

Tensorflow • Pytorch • sci-Kit • Keras • SciPy • PyGame

Cordova • Node.js • Django • Flask • Flutter • React • Laravel

TOOLS/PLATFORMS

SPM • BrainSuite • FSL • Free Surfer• Discovery Studio• AutoDock• Amber• LAMMPS

Git • Webpack • Heroku Wordpress • Docker • Firebase • Apache/Nginx • FFmpeg

REFERENCES

Dr. Uma Sharma, Professor, Department of NMR, AIIMS
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Dr. Mahima Kaushik, Professor, University of Delhi
✉ mkcic2122@gmail.com