Vaibhav Mehra

AI Developer and Human Brain Enthusiast

veb7vmehra • veb7vmehra • Vaibhav Mehra • veb7vmehra@gmail.com • 7827291102

EXPERIENCE

GENVR LABS | AI Developer
Feb 2023 – June 2023 | Remote
→ Developed the text to Image Generation pipeline, producing high quality images.
→ Developed the automated and optimized structure for face training in Text to image production.

BCBL SPAIN | Guest Researcher
Jan 2023 – May 2023 | Remote
→ AI based Surreal Image dataset generation.
→ Understanding human response to Surreal Images through EEG signals.

CYPSI LABORATORY | AI Research Intern
July 2022 – Feb 2023 | Delhi
→ Worked over Generic Decision making AI Pipeline.
→ Developed Emotional Understanding in NLP model using Transformers.

UNIVERSITY OF COLORADO | Research Intern
June 2022 - September 2022 | Remote
→ Working on the novel field of Evolutionary Neuropsychology.
→ Analysing the Archaeological Data through Computational Techniques.

AIIMS, DELHI | Research Intern
January 2022 – May 2022 | Delhi
→ Worked on sMRI and fMRI scans of MDD patients.
→ Standardized the Protocol for Volumetric Segmentation over MDD Patients.

PUBLICATIONS

SIMULATION OF NANOCARRIER BASED TARGETED ANTIDEPRESSANT DELIVERY MECHANISM | **Mehra V.**, Sirkar N., Biswal B and Kaushik M.
DOI:https://doi.org/10.1080/08927022.2023.2241764

CONSISTENCY IN VERBAL EXPRESSION OF DEATH ROW CRIMINALS: CONCLUDING LIFE WITH EMOTIONS | **Mehra V.**, Shukla U., Aggarwal N., Singh S., Pundir A. and Saxena G.
Submitted, Computers in Human Behavior

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.

OTHERS
→ I have been Awarded with **Erasmus Mundus** Fully funded Scholarship for masters, know more about me **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

Prof. Frederick L. Coolidge, Professor, Psychology Department, UCCS
  fcoolidg@uccs.edu

Dr. Uma Sharma, Professor, Department of NMR, AIIMS
  umasharma69@gmail.com