Manan Agrawal

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ABOUT ME

I am currently exploring deep learning and artificial i ntelligence i n multidisciplinary areas. I have a good understanding of various neural networks like CNN, GANs, RNN, etc.

I also have a good amount of experience as an full-stack developer and UI/UX web designer. Currently looking for new opportunities to level up my skills.

EDUCATION

BITS PILANI, PILANI CAMPUS

Msc. Economics, BE in EEE
August 2019 - Present

SD JAIN MODERN SCHOOL

CBSE

2018| Surat, India

COURSEWORK

Machine Learning
Deep Learning
Convolutional Neural Networks
App Development
Web Development
Econometric Methods
Fundamentals of Finance and Accounting
Derivatives and Risk Management
Probability and Statistics

SKILLS

PROGRAMMING

Languages:

Python • Javascript • HTML/CSS•Dart Golang • C++ • C

Frameworks:

React JS • React Native • Flutter TensorFlow • PyTorch • NodeJS Django • Flask

Libraries:

NumPy • Pandas • OpenCV • SciPy MatPlotlib

Softwares:

Adobe Illustrator • Figma • Adobe XD Autodesk

EXPERIENCE

MCEME, SECUNDERABAD | Research Intern

May 2021 – Aug 2021 | Remote

- Worked on a speech recognition using AI to understand human speech and convert speech to text.
- Developed chinese text to hindi text translator with LSTM based model

ILRNU INC. | Fullstack Developer

Oct 2020 - December 2020 | Remote

- Worked with the team on the 2.0 update of the website.
- Contributed to shift the website from mySQL to mongoDB database along with refactoring the existing design with adding new features.

STUDENT WELFARE DIVISION | Software Developer

Jan 2021 - May 2021 | BITS Pilani

- Developed a portal for BITS Pilani for registrations for MCN scholarship offered by the institute.

PHYZOK | Content Writer

May 2019 – Aug 2019 | Remote

- Work with Grade 11 JEE level physics, chemistry, mathematics.

PROJECTS

DRONE-BASED MONITORING OF INDIAN ROADS

Sept 2021 – Present | Prof. Pratik Narang

- Working on a system to detect road damages using drone images.
- Aiming for real time prediction of road cracks using the dataset collected by the drone.
- Implementing the current design using the GANs, CNN and Detr object detection algorithm, the final deployment will be in python.

WORK DISTRACTION ANALYZER

Mar 2022 – Present | Independent

- Working on a system to detect and analyze the work productivity graph through there browser app usage activity and show recommendation to improve productivity.

CHINESE TO HINDI SPEECH CONVERTER

May 2021 - Sept 2021|Prof. Rahul Singhal

- Worked on making a speech recognition system to convert the chinese speech to hindi speech using RNN and LSTM

POSITION OF RESPONSIBILITY

DEPARTMENT OF VISUAL MEDIA | Coordinator

Aug 2019 – Present | BITS Pilani

- Worked as a team lead for conducting the BPL 2022
- Developed various websites and web applications for the college fests

NATIONAL SOCIAL SCHEME | Coordinator

Aug 2019 – Present | BITS Pilani

- Planned and organized the first online educational initiative in the organization for class 6th to 10th students, organised 3 day long series on Cybersecurity