Drishti Agarwal

Computer Science Student

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EXPERIENCE

ICT Academy-IIT Kanpur
May 2020 to June 2020

Summer Intern

- Successfully learned Machine Learning concepts by working on popular datasets and case studies and solving them with machine learning models.
- Learnt the basics of data science and how to work with raw data to draw meaningful results and built a fully functional web-based application utilising machine learning prediction.

Codec Networks Pvt. Ltd
May 2019 to July 2019

Software Developer Intern

- Worked under a team of software developers and IT professionals and worked on existing projects.
- Developed a fully-functional school database management software with the acquired skills.

EDUCATION

Sri Venkateshwar International School
April 2017 to April 2018

Senior Secondary

- Majored in Math, Chemistry, Physics, Computer Science and English
- CBSE Board Percentage: 94.25

Bharati Vidyapeeth's College of Engineering New Delhi
July 2018 to Present

Bachelor of Technology Computer Science And Engineering

- Cumulative G.P.A: 8.73

SKILLS

Domains Specific Skills:

- Data analysis, Data modelling and Data visualization
- Machine learning models (Supervised and Unsupervised)
- Natural Language Processing
- Internet of Things

Programming Languages:

- C, C++, Python

Technical Tools:

- Pandas, Numpy, Scikit Learn, Plotly, Streamlit, Matplotlib, Seaborn
- GNU Octave, Arduino
- Docker, Heroku

PROJECTS

Self-Balancing-Bot
October 2019 to February 2020

https://github.com/drishti-agarwal/E-yantra_self-balancing-bot

- Participated in the annual E-yantra 19-20 organised by IIT Bombay under the theme Biped Patrol.
- The Self-balancing robot was devised with the concepts of IoT and control Systems with the utilisation of Simulation software like Octave.

NOvid-20
April 2020

https://novid-20.netlify.app/

- Built an amazing PWA which is a solution to foretell the likelihood of being in the vicinity of COVID-19 and has the following features-Prediction model Interactive Chatbot
- The functional website presents the results of a Machine learning model which predicts the possibility of infection through symptoms of the users.

Mushroom Toxicity Analysis
June 2020

https://drishapp.herokuapp.com/

- A fully functional web-based application to predict the edibility of a mushroom-based on its feature values.
- Data is visualised with effective graphs and charts to represent the analysis of the dataset.

NYC-motor-vehicle-collisions
August 2020

https://nyctrafficdata.herokuapp.com/

- The project aims at providing you with an insight into new york's traffic and motor vehicle collision accidents through a map overview and plotly graphs.

PUBLICATIONS

Application of Robotics in Digital Farming
2nd Doctoral Symposium on Computational Intelligence

- The paper talks about how a self-balancing robot can be applied as an effective monitoring device in cropping fields.

Malaria Cell Image Classification using Convolutional Neural Networks(CNN)
International Conference on Data Analytics & Management: An Indo-European Conference (Icdam-2021)

- The paper presents and compares various deep learning techniques for malaria classification with images of blood smears.

Game Theory and its application in Cyber Security
Journal of Multi-Disciplinary Engineering Technologies, Bharati Vidyapeeth's College of Engineering, New Delhi

- The paper explains the utility of Bayesian games in securing the banking system.

ACCOMPLISHMENTS

ZS Campus Beats Challenge

- Participated in ZS campus beats pre-placement challenge and were amongst top 180 teams to qualify it and were invited for the pre-placement test and the interview round.

ACM's Project Showdown 2020

- Secured 3rd position in the prestigious competition organised by ACM BVP for presenting our novel innovation NOVID-20, a web-based solution to COVID-19.

EXTRA CURRICULAR

Vice-chairperson at BVPInc, Student Chapter

- Vice-chairperson at BVPInc, Student Chapter, it is the most prominent business society at Bharati vidyapeeth's college of engineering

Former house captain

- Former house captain, in the student council of Sri Venkateshwar International School (2017-2018)