AYUSH VERMA

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EXPERIENCE

Hamoye AI – Remote

Data Science Intern   *Jan 2022 - Apr 2022*

- Supervised a team of 15 as the Project Lead and developed a regression model of over 99% accuracy to predict the future price of gold.
- Managed Data Collection, Data Cleaning, Data Preprocessing, Deep Learning and YOLO modelling while researching, reporting to the PL and implementing 4 model deployments.
- Implemented Regression, Classification, Deep Learning and Time Series Models giving business insights and helping solve real world problems.

AiSociety – Lucknow, India

Software Development Engineer 1 (Python/Django Developer)   *Jan 2021 - Jan 2022*

- Instructed 150+ students on the latest technology trends of HTML, CSS, basics of Python, Object-Oriented Programming and Data Visualisation and Frameworks such as Django.
- Built responsive and high-performance websites using Python3, and PostgreSQL, configured client-facing elements using server-side logic, used Object Relational Mapping, and deployed using Heroku Cloud Service.
- Conducted a hands-on python technical workshop of 10 days in Collaboration with Research Skills Club National Rail and Transportation Institute (NRTI) Gujarat and mentored 100+ 1st year students on the basics of python.

PROJECTS

AFRICAN WILDLIFE PREDICTION

https://african-wildlife.herokuapp.com/

Data Science/ Machine Learning   *Mar 2022–Apr 2022*

- Scrapped 4000 animal images from various websites using BeautifulSoup, and preprocessed those images amounting to 10800 images post augmentation.
- Used Transfer Learning over an EfficientNetB6 model and got a model with an F1-Score of 1.0.
- Prepared the deployment of 2 Deep Learning Models using Streamlit, Docker and Heroku.

GOLD PRICE PREDICTION

https://goldpredict.herokuapp.com/

Data Science/ Machine Learning   *Jan 2022–Feb 2022*

- Managed a team of 15 as the Project Lead and built a Machine Learning model with over 99% accuracy.
- Analysed Kaggle dataset containing over 80 columns and performed Exploratory Data Analysis contributing to the model building and deployment of the model using Django.

CURE CANCER

https://curecancer.herokuapp.com/

Data Science/ Machine Learning   *Sep 2021–Jun 2022*

- Performed Data Cleaning, Exploratory Data Analysis, Modelling and Deployment to build a website that can help detect cancer in the early stages.
- Developed a Logistic Regression Model(97% accuracy) and a VGG16 Deep Learning Model(91% accuracy) to Predict Breast Cancer and Invasive Ductal Carcinoma(the most common form of Breast Cancer).
- Designed a website using Django, Streamlit, Heroku and Docker to deploy these models to make them available to everyone.

EDUCATION

Dr M. C. Saxena College of Engineering and Technology, Lucknow   *Aug 2018 - Aug 2022*

Bachelors of Engineering in Computer Science with CGPA of 8.1 out of 10
Final Year Project: https://curecancer.herokuapp.com/

Modern Academy Inter College, Lucknow   *May 2015 - May 2017*

12th Standard, Percentage: 94%

SKILLS AND OTHERS

Skills: Python, Java, Django, HTML5, CSS3, Data Structures, Algorithms, Git, Numpy, Pandas, Seaborn, Matplotlib, Object-Oriented Programming, Data Analysis, Data Science, Debugging, SQL, Machine Learning, Data Cleaning, Data Preprocessing, Deployment.
Languages: English (Fluent), Hindi (Native)
Hobbies: Reading, Cricket, Teaching, Finance and Investing.