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| **KEY TECHNICAL PROJECTS** | | |
| **DEEP LEARNING**  *Guided Project* *Eduonix*  [Dec’20 – Jan ’21] | Named Entity Recognition using **LSTMs** with TensorFlow |  |
| * Implemented **Keras** to build and train a **bidirectional LSTM** model for identifying specific entities from text | |
| * Achieved an accuracy of **98.56%** on test data & **98.86%** on training data of annotated corpus form **Kaggle** | |
| **MACHINE LEARNING** *Guided Project* *Eduonix* [Dec ’20 – Jan ’21] | Employee Turnover Predictor based on various parameters | scikit-learn |  |
| * Implemented **Decision tree** & **Random Forest** algorithms from **scikit-learn** library to predict employee dropouts | |
| * Developed **interactive GUI** components using widgets for **tuning the Hyperparameters** of both the models | |
| **COURSE PROJECTS** | | |
| **DESIGN OPTIMIZATION**  [Jan ’20 – Apr ’20] | Engineering Design Optimization | Guide by: Prof. G.R Shevare, Aerospace Department   * Researched various algorithms to optimize a Constrained Linear Cost-function with application to efficient thruster force management of a satellite. * Implemented Seidel’s LP and Simplex algorithm in Python and verified against various test inputs. | |
| **DATA ANALYSIS** *Python Programming* [Jan’16 -Apr’16] | United States of America Elections’ Data Analysis | Guide by: Prabhu Ramachandran, Aerospace Department   * Analysed Data of US Presidential Elections 2016 May’17 by using **NumPy, Matplotlib, SciPy** & **Pandas** * Used Data to interpret the voting preferences of various type of people based on origin, gender and literacy | |
| **INTERNSHIPS** | | |
| **EISYSTEMS** **TECHNOLOGIES**  *Machine Learning*  [Sept ’20 – Nov ’20] | MACHINE LEARNING INTERNSHIP |EISYSTEMS SERVICES|TECHNEX   * Conducted extensive literature survey through studying various research papers to analyse different machine learning techniques used for face detection and recognition to deploy in home security. * Settled with YOLO Face package based on YOLOv3 because of its fast and precise detections * Building a platform to stream live video on a cloud using Google Cloud API * Trained YOLO to recognize and classify the person as authorized or unauthorized | |
| **POSITIONS OF RESPONSIBILITY** | | |
| **SENIOR**  **CO-ORDINATOR**  [Jul ’18 -Jan’19] | PRONITES SENIOR COORDINATOR | MOOD INDIGO, IIT BOMBAY   * Led a team of 20 organizers to execute India’s largest college festival, with an overall footfall of 80000 * Conducted a market research survey gauging the demand of various musical genres among the target group * Databased and researched top Indian artists for opening slots of 4 concerts spanning various genres | |
| **WEB CO-ORDINATOR**  [Apr ’16 -Mar’17]  **COMPETITION**  **CO-ORDINATOR**  [Apr ’17 -Jan’18] | WEB COORDINATOR | ENTREPRENEURSHIP CELL, IIT BOMBAY   * Organised Asia’s largest E-Summit, 18K footfall with 100+ event and handled the registration 20k+ guests | |
| * Designed forms and Webpages of E-Summit’18-Networking E-Summit’18-I-hack along with the rest of team | |
| COMPETITION COORDINATOR | ABHYUDAY, IIT BOMBAY | (THE COUNTRY’S LARGEST STUDENT RUN SOCIAL BODY)   * Led a team of 10+ Organizer for execution of Action Plan Competition challenging youth to solve social issue * Negotiated with 15+ professionals to mentor the participant of Social Entrepreneurship Competitions | |
| **ONLINE COURSES** | | |
| |  |  | | --- | --- | | **DATA SCIENCE**  [Feb’20 – Aug’20] | COMPLETE DATA SCIENCE | UDEMY | (365 CAREERS TEAM)   * Machine Learning, Deep Learning, CNN, Statistical Analysis, Regression Techniques, Data Visualization | | **DATA STRUCTURE**  [Dec’20 – Jan’21] | DATA STRUCTURES AND ALGORITHMS BOOTCAMP| UDEMY | Jonathan Rasmusson   * Array, Linked list, Binary tree, Hash table, Binary heap, Graph, Sorting algorithm | | | |
| **SKILLS AND INTERESTS** | | |
| |  |  | | --- | --- | | **SOFTWARE** | PyCharm, Anaconda, Tableau, Git, AutoCAD, MATLAB, LaTeX, MS Office, Solid Work | | **LANGUAGES & LIB.** | Python, C++, SQL | TensorFlow, Sci-kit Learn, Pandas, NumPy, SciPy, Matplotlib | | **INTERESTS** | Data Science, Machine learning, Deep learning, Software development | | | |
| **EXTRACURRICULAR ACTIVITIES** | | |
| **SOCIAL ACTIVITY** | * Volunteer visit in which students held sessions of learning with fun for underprivileged children in Mumbai [‘19] * Actively participated in Abhyuday’s initiative for Powai Lake Cleanup and Awareness campaign [‘18] | |

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| **SPORTS** | * Completed Yoga training under National Sports Organization (NSO) [’16 - ‘17] * Part of the Hostel 4 winning team since last 3 years in the Inter Hostel Crossey General Championship |
| **OTHERS** | * Part of the 50+ member Production Team involved in constructing the stages for the Hostel’s PFA [‘18] * Regulated Institute GS Election as an Election officer of Hostel4 ensuring an ethical atmosphere [‘18] |