KUMAR SHANTAM

Phone: 408-516-6732   Mail: krshantam973@gmail.com
www.linkedin.com/in/kumar-shantam-futureaihumans9   https://github.com/kumarshantam99

Actively seeking opportunities in the field of Machine Learning and SaaS, aiming to leverage a proven knowledge of computer aided engineering, process improvement and cross-functional team skills to create an impact at your organization.

EXPERIENCE

Machine Learning Intern, Idea X Design, US.
Natural Language Processing and Pipeline development   *Sep 2020 – Present*

- Currently working as an intern for developing the company's Neunet platform in order to build an unbiased and highly efficient bidirectional job matching system, ranging from analysis of job seeker's resume (smart ATS) to classification of posted job profiles using RNNs, BERT, Spacy and developing an algorithm for curating the suggestion feed (recommendation system).
- Deploying the back end for the platform scalability using Google Cloud Platform and implementing features like candidate background check, direct messaging option and interview scheduling portal.

Research Intern, Malviya National Institute of Technology, India.
Application of Internet of Things for Development of Smart Cities   *May 2017 – Aug 2017*

- Developed an algorithm in Python to calculate least polluted path between two points in Jaipur city.
- Implemented smart lighting system using RaspberryPi and various sensors for optimizing electricity usage depending on traffic and ambient conditions, with our smart power routing we were able to intelligently detect the presence of people in the parking garage using cameras and pressure sensors and toggle the power settings to save power by 2.2%.

PROJECTS

Discover-Toons
Skills: ReactJS, Apollo, GraphQL, Node JS, MongoDB, Semantic UI, Material UI, Morgan, Helmet, Heroku.

- Designed a Full stack social media application where users can read and share anything related to cartoons and anime. JSON web token for authenticating the user, GraphQL to handle all the API queries and ReactJS (Semantic UI and Bootstrap) as our Front-end.
- Users can create their anime/ cartoon watch history in their profiles (Name, Time taken to complete the series, Reviews). Future implementations include developing a Computer Vision pipeline to flag non-cartoon/anime related posts and implement censorship for NSFW contents.

Official Website: Rainbow Kids A Play School (https://www.rainbowkidsbgp.com/)
Skills: HTML5, CSS3, JavaScript, ParticlesJS, Bootstrap, Anime.js, SwiperJS, My SQL, PHP.

- Designed and deployed the official website for Rainbow Kids A Play School, Bihar, India using HTML5, CSS3 and JavaScript libraries and Adobe XD for prototyping the design ideas. Payment gateway was implemented using a third-party service (Pay U Money) for the application portal.

Stitch-Meet
Skills: ReactJS, NodeJS, socket.io, Semantic UI, MongoDB, AWS.

- Designed a full stack Office/Team chat application using the MERN stack and socket.io to enable real time communication between the users. The main goal of application is to collect the videos of the members of the team and stitch it all together in one video and make it available for all members.

Exploratory Data Analysis on UCI heart disease dataset
Skills: Data Pre-processing, ggplot2, seaborn, Pandas, Logistic Regression, LDA, QDA, SVM.

- Analysis of UC Irvine heart disease dataset was done to find out relation between 76 attributes and its correlation with prediction of heart disease. Handled missing data, data imbalance using mean imputation and SMOTE respectively.
- Fit Logistic Regression, Naïve Bayes, LDA, QDA, SVM and Neural Networks to compare various classification techniques. Used various plotting like Hexbin plots, Density plots, Correlograms and extensively explored R's ggplot2 library.

EDUCATION

Sofia University – Palo Alto, CA   ***March 2021***
Master of Science in Computer Science   *GPA: 4.0/4.0*
Relevant Courses: Algorithms in Python   and R, Data Science, Machine Learning, Systems Programming, Software Engineering, Data Visualization, Web Development, Advanced Topics in ML and AI.

Birla Institute of Technology– Ranchi, India.   ***June 2018***
Bachelor of Engineering in Electronics and Communications   *GPA: 3.4/4.0*
Relevant Courses: Data Structures, Algorithms, Fundamentals of Unix and C, Database Management Systems, Object Oriented Programming.