KRISHNA PRIYA GAJULA

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OBJECTIVE: Proactive problem solver with strong interpersonal skills and master's degree in Computer Engineering with a specialization in Data Science. Seeking for opportunities as a Machine Learning Engineer/ Data Scientist. Bringing hands-on experience in using advance statistical techniques and solid programming skills.

EDUCATION:

M.S. (Computer Engineering), San Jose State University **Dec 2019**
B.S. (Electronics and Communication Engineering), JNTU Kakinada **May 2016**

RELATED COURSE WORK:

Data structures and algorithms in C++**,** Data Mining**,** Machine Learning**,** Deep Learning**,** System Software, Enterprise Software Platforms, Advanced Computer Design, Large Scale Analytics.

SKILLS:

Programming languages: C++, Python, Java Script, Verilog.
Web Technologies: PHP, HTML, CSS
Database: NoSQL,SQL
,IDE: Eclipse, Jupyter Notebook, PyCharm.
Frameworks: TensorFlow, Keras, Matplotlib, Seaborn, Spark, Git, Django
Key Skills: Data Analysis, Data Visualization, Statistical Computing methods, Quantitative methods, Data warehousing, Predictive Modeling and Analytics, Natural Language Processing, Time series analysis,

PROJECTS:

Recommending matching outfits and Accessories using AI in Fashion, SJSU **Fall 2019**

- Implementing a recommendation system for online shopping platforms which suggests garments based on the items selected by the user.
- The suggestions are based using deep learning and are trained with current fashion in the customers location.

Image-Based Human Head Counting for Green Building Energy Analysis, SJSU **Fall 2018**

- Collected 1000 images of top and side view of crowded people using web scrapping and labelled them.
- Built a CSRNet using Keras which counts human heads in images with a prediction rate of 87%.

Energy consumption Prediction for HVAC data, SJSU **Spring 2018**

- Predicted the energy usage by using a real private dataset provided by a company called "JUST LIGHT".
- Preprocessed the data and built three predictor models.
- The models include Linear Regression with an accuracy of 75%, Random Forest model with an accuracy of 88% with the hyper parameter tuning.

Online Shopping Platform, SJSU **Spring 2018**

- Built an e-commerce web application using PayPal and Facebook OAuth, PHP, cookies, session management and CURL.
- The Cookies helped in viewing recently viewed items and OAuth reduced 60% of the traffic for the user login.

WORK EXPERIENCE:

Junior Project Developer, Conscience Technologies, India **6 months**

- Assisted in managing interns and familiarizing them with the ongoing projcets.
- Implemented a security bracelet using Arduino, GSM moule and GPS Module. When clicked on the bracelet it alerts the emergency contacts. Observed that emergency contacts are contacted almost 20-30 minutes before than usual contact time.
- Implemented RFID card number on a LCD display by interfacing EM - 18 RFID to 8051.

Engineer Trainee, D V Tech Services Ltd, India **6 months**

- Developed a promotional website using HTML, CSS, Java script. Increased the load time of the application by 15% by doing CSS optimization JS minification.
- The website is an informational site with an authorized login for the management where they can check the student academic progress and other details.