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About Me

Data Scientist| Electrical Engineer

An Electrical Engineer with six years teaching experience in Electrical Engineering and a passionate Data Analyst. Seeking a full time or part time position to utilize newly acquired skills in Data Analytics and abilities in an organization that offers professional growth while being resourceful, innovative and flexible.

Technical Skills

- **Languages:** Python, Pandas, NumPy, PyMongo, Flask, R, MATLAB, C
- **Database:** SQL, MySQL, MongoDB
- **Web:**Bootstrap,JavaScript,AngularJS, Typescript, HTML/CSS
- **Visualization Tools**: Matplotlib, D3.js, Plotly.js, Leaflet, Gmaps, Tableau
- **Spreadsheets:** Excel, VBA, Tableau
- **Others:** GitHub, Heroku, ANN ,Hadoop, PySpark
- Optimization tools, Machine Learning, Scikit-learn,nltk,TensorFlow
- **Simulation Tools**: Simulink, PSIM Electronics Simulation Software
- **Web Interfaces:**JSON,Beautiful Soup, APIs

Projects In UCI Boot Camp(July 2018-Feb2019)

Suicide Assessment and Analysis: Nov 2018 – Feb 2019

The purpose of this project was to provide a website to assess suicide risk, predict the intent using Natural Language Processing and guide them to helpful resources.
Skills: Python, Flask, MongoDB, Beautiful Soup, Plotly, HTML, CSS, Bootstrap, JavaScript, Tweepy api,Tableau,d3.js,geomap,Skel,Jquery,Machine Learning tools scikit-learn,nltk.

Traffic-Violation-Analytics: Aug 2018-Sep 2018

The purpose of this project was to analyses whether the traffic stops and citations by Police is biased on Gender and Race in Pandas.
Skills: Pandas, Python, Jupyter Notebook, NumPy.

Belly Button Biodiversity: Oct 2018-Nov 2018

An interactive dashboard to investigate the microbes inhabiting our navels and the factors using Plotly.js.
Skills: Python, Pandas, Flask, SQLAlchemy, HTML, CSS, Bootstrap, JavaScript, Heroku.

Web Scraping-Mission to Mars: Sep 2018-Oct 2018

Web application that scrapes various websites for data related to Mars and displays the information in a single HTML page.
Skills :Python, Flask, Jupyter Notebook, MongoDB, PyMongo, Pandas, Splinter, Beautiful Soup, HTML, CSS, Bootstrap, Heroku.

CitiBike-Tableau: Jan 2019

An interactive Dashboard on Citi bike sharing program Tableau.
Skills: Python,Pandas, NumPy, Tableau

SQL-sakila: Sep 2018

Hands on SQL DB Learning using Sakila DB
Skills:SQL

Learning Excel: Aug 2018

Using the Excel table provided, modify and analyze the data of four thousand past Kickstarter projects.
Skills:Excel

Project in Master Of Engineering

Reliability evaluation of committed units in conventional & fuzzy approach: **June 2003-May 2004**
In this project , a program in Matlab is developed for a probabilistic approach for hierarchical level-I (HL-I) reliability of unit commitment problem (UC). With the proposed methods, uncertainties embedded in generation side are taken into account and then the reliability indices such as loss-of-load- probability (LOLP) and fuzzy loss-of-load-probability (FLOLP) have been evaluated. A short-term commitment period with a 24-hour time horizon is considered.
Skills: MATLAB 6.1, Simulink.

Professional Experience

GHRCEM (Pune, India)   Aug-2010 – April 2013
Lecturer in Electrical and Electronics Engineering Department. Worked and taught modelling and analysis in Subjects taught Power Electronics, Electric Drives and Control, Basic Electrical engineering. Guided students in Technical report writing and student counselor. Designed teaching plan and structure for various courses.
SNSIT (Hyderabad, India)   Aug-2009 – Feb 2010
Lecturer in Electrical and Electronics Engineering Department. Subjects taught Electric Circuits, Power Systems Analysis, Electrical Machines, Basic Electrical engineering
ICFAITECH (Hyderabad, India)   May-2005 – August-2006
Lecturer in Electrical and Electronics Engineering Department. Subjects taught: Power Systems Analysis, Switchgear and Protection, Electrical Machines, Basic Electrical engineering .
Rungta College of Engineering. And Technology (Bhilai, India)   March-2002 –July-2002
Lecturer in Electrical Engineering Department. Subjects taught: Electrical Machines, Basic Electrical engineering, Network Synthesis.

Education

UC Irvine   2018-2019

Certificate, The Data Science and Visualization Boot Camp

Birla Institute of Technology MESRA, India   2002-2004

Master of Engineering in POWER SYSTEMS

B.I.T.DURG, PT.Ravishankar Shukla University,India   1997-2001

Bachelor of Engineering in Electrical Engineering

Awards

Received EXCEL GOLD MEDAL from B.I.T.,DURG for securing highest percentage in Electrical Engineering. Branch for session 97-2001.

Technical Paper

SOLUTION OF UNIT COMMITMENT USING MODIFIED GENETIC ALGORITHM CONSIDERING THE EFFECT OF UNIT OUTAGE UNCERTAINTY-*Journal (203) International Journal of Power and Energy Systems - 2008* .