Pranay Rao Allampalli

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CAREER SUMMARY

Experienced IT Professional with a demonstrated history of working in the Oil & Energy & the Media Industry. Seeking Full Time Opportunities starting May 2021.

EDUCATION

University of South Florida, Tampa, Florida   GPA: 3.67/4

Master of Science in Business Analytics & Information Systems   Expected Graduation: May 2021

National Institute of Technology, Warangal, India

Bachelor of Technology in Electronics & Communications Engineering   Graduation: May 2017

RELEVANT COURSEWORK

Data Mining	Advanced Database Management	Distributed Information Systems	Big Data
Analytical Methods for Business	Marketing Analytics	Data Science Programming	
Information Security & Risk Management			

TECHNICAL SKILLS

- Programming Languages: **C, C++, C#,** R, PHP, Python, **HTML, CSS** & **JavaScript**
- Database Technologies: MS **SQL** Server, Google Big Query & **Oracle** SQL Developer
- Version Control: **Git**
- BI & Analytics Tools: **Power BI**, SAP Lumira, BI in Excel, Google Data Studio, **Azure ML Studio**, **MS SSRS**, **SAS** & **Tableau**
- Office Tools: MS Power Point, MS **Visio**, MS Word & MS **Excel** (Including Data Analytics with **XLSTAT**)

PROFESSIONAL EXPERIENCE

Data Engineering Intern, Viacom CBS Digital, Fort Lauderdale, Florida   Jun'20 – Aug'20
- Worked on building an end to end data product for Quality control & check where the product was a dashboard to monitor & give alerts on **anomaly** in KPI metrics such as viewership, visits & video duration streamed daily across all CBS sites.
- Built a model to alert about unknown user states which are obtained from the **Adobe Analytics** API data & considered in the summary tables.
- Tools & Technologies: Google Cloud Platform, Python (Jupyter Lab), **Apache Airflow**, Google data studio, Flask & Bitbucket

IT Analyst, Reliance Industries Ltd, Reliance Corporate Park, Navi Mumbai, India   Jul'17 – Apr'19
- **Responsibilities**: Enterprise **Application compliance**, licensed **Software metering**, **Server Patching** using **SCCM** and creating **dashboards** for the same using Power BI & Excel. Analyzed & monitored the IT Service Management **KPI**s.
- Improved the Enterprise Ticket Resolution time by 40% by automating the account unlocking in Active Directory & installation of applications.

ACADEMIC PROJECTS

- Categorization of Sports in Images   Spring 2020

  We gathered images of various sports from the web to train them, we first reshaped the images gathered from URLs. We then converted images from 3D to 2D, then we shuffle the data to ensure that models remain general and overfits less.

  After running the models of SGD classifier, Perceptron algorithm & Sequential Neural Network algorithm & **Convolutional Neural Network** Algorithm (CNN), we obtained 99% accuracy with CNN.

  Tools used: **Jupyter Notebook** for model prototype & deployed them in a **Flask** based web portal.

- Employee Attrition analysis & Predictive Modelling.   Fall 2019

  Analyzed the various factors leading to employee attrition and help the company to work on the most vital factors leading to the same. Built and deployed a **logistic regression**-based model to predict whether an employee will churn with 89% accuracy.

  Tools used: **Tableau** for visualizations, **Azure ML Studio & R Studio** to make the predictive models & deployed them in a **R Shiny** based web portal.

EXTRACURRICULAR ACTIVITIES

- Active Member of the **Data Science Club** & mentor for Undergrad students by helping them in their Data Science projects using R at the University of South Florida since September 2019.