**JISHNU B NAMBIAR**

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Hyderabad, TS, India

**CAREER OBJECTIVE**

Looking forward for a challenging career in Analytics industry in order to apply and enhance my Statistical modeling, Machine learning & Deep Learning knowledge and skills, thereby contributing and adding value to the organisation.

**EDUCATION**

* **Data Science Learning Week** IIIT-Bangalore & UpGrad Since Feb 2018
* **Bachelor of Technology, ECE** SRM University I **80.0%**  2017
* **12th**  I Ramaiah IIT Study Centre I **80.4%**  2011
* **10th**  I Army School I **81.2%**  2009

**WORK EXPERIENCE**

* **BIGDATAMATICA** Machine Learning Engineer Present Jan 2018 to present
* **ISRO** Internship5 months Jan 2017 to May 2017
* **DRDO** Project Trainee2 months June 2015 to July 2015
* **SRMSAT**  GNC Developer 1 year 2months Nov 2013 to Dec 2014

**CERTIFICATIONS / COURSES**

***Programming***

* C Language certified from NIIT
* R and Python certification course from Data Camp

***Data science***

* Data science Learning week from UpGrad IIITB
* Descriptive and Inferential statistics - Stanford & Coursera
* Data science Bootcamp - Hands on using R and Python

***Artificial Intelligence***

* Machine Learning for Data science and Analytics - Andrew Negi
* Neural Network and Fuzzy systems elective course
* Understanding Deep Learning from NPTEL IIT Madras

**KEY SKILLS**

* **Machine Learning** Modeling Techniques
* **Deep Learning Technologies:** Keras, Tensorflow
* **Text & Data mining**: NLP , Web scraping
* **Visualization tools**: Tableau, R
* **Hypothesis Testing**
* **Databases:** SQL
* **Statistics & Probability:** Descriptive, Inferential
* **Analytics Languages**: R (Intermediate), Python (Intermediate)
* **Analytics:** Descriptive, Predictive, Prescriptive
* **Statistics** & Exploratory Data Analysis
* **Programming:** C, Python
* **Microsoft Tools:** MS Office, Excel
* **Business:** Strong communication, Leadership
* **Others:** Problem solving, Quick Learner

**ACHEIVEMENTS**

* Won 2nd prize in paper presentation competition conducted by School of Automotive Engineers, SAE.
* Presented a research paper in the National Conference of Mathematical Techniques & Applications.
* Merited in Junior National Mathematics Olympiad conducted by All India School of Mathematics.
* NCC A, B & C certified with top grades. Selected for National Shooting Camp to represent AP at New Delhi.
* Selected for the best projects in the ECE Dept. of SRM University.

**PROJECTS**

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| **DEEP LEARNING MODELS** | * Developed and trained an efficient model on ***Handwriting Recognition*** using pattern recognition techniques & Deep Learning technologies (Keras). * Working on Design and Deployment of an ***Image Recognition******based web application*** modeled with an accuracy of 95% using deep learning modeling (Python, Tensorflow, Flask). * Built a ***Customer Churn prediction model*** using Keras & R programming. Also, carried out a detailed analysis of each factor involved for churning. * Built a Deep Learning model for ***Diabetic prediction score*** using Keras, Python. * Trained and modeled an ***Image classifier*** with a probabilistic output. Currently, under Deployment stage. * Developed & carried out a detailed visualization for a ***Telecom Churning model*** using Keras, R & Lime. |
| **COMPUTER VISION / IMAGE PROCESSING** | * Worked on a research paper titled ***Driver Drowsiness Detection & Alert system*** using Python programming (Numpy, Scikit, MatplotLib, Scipy), computer vision (OpenCV), Raspberry pi. |
| **MACHINE LEARNING** | * Worked on various standard datasets in order to use and **compare various machine learning algorithms** performances to arrive at an optimized result. * Built a content based ***Movie* recommender system**. * Currently building a ***Course recommendation system*** for effective and adaptive learning. |
| **DATA SCIENCE** | * Carried out a detailed report on ***UBER case study*** on ***Supply Demand Gap*** problem of Uber cars related to Airports drives. * Have applied various ***clustering and classification algorithms*** on problem statements like customer segmentation, customer churning and carried out a comparative research on effectiveness and efficiencies. * Built a ***Regression model*** to predict various housing and retail product costs. * Modeled a ***Forecasting model*** for Company Stock prediction using Cash flow Analysis concept in R. |
| **DATA ANALYTICS**  **R, Python** | * Practiced various ***analytical techniques*** using R programming like EDA & visualization (Outliers, transformation, variable selection, plotting), pre-processing (Binning, Scaling, imputing, Dimensionality reduction), post-processing (Boosting, Cross validation), etc. on various problem statements & their respective datasets. * Built an ***Automatic SUDOKU solver*** algorithm using python programming. * Analyzed various ***crypto currencies*** and its ratings with a precision of hourly basis. Also, visualized the top 5 crypto currencies since last 20 years. * Analyzed by performing EDA for a ***multi-class******Insurance prediction*** model using R. * Currently working on the project in social media analytics - Instagram analysis for monitoring marketing and brand reach for clients. |
| **BI & VISUALISATION** | * Developed a visual ***dashboard of US Retail store products*** to analyze & visualize the variations in sales & profits across various demographic regions of US using Tableau. * Created a detailed ***visualization*** to exhibithow a ***Deep Learning model*** works & does feature extraction. |

**RESPONSIBILITIES TAKEN**

* **Social Media Analytics**
* *Instagram Analysis* for monitoring marketing, improving sales and brand reach of the client to right customers at right time.
* Performed Data mining and derived various statistical insights & created predictive models from the data.
* Text mining and NLP based media analytics
* **AI product Development**
* Initiated the product development section in the company and successfully leading a team of interns
* *Banking & Finance* : AI based Smart Banking Enterprise product solutions
* *Advanced UI* : Advanced AI based User Interactive platform
* **Web Deployment**
* *Deployment* of Machine Learning & Deep Learning Models
* **Student coordinator** of Electronics Club SRM University for a term of one year.
* **Co-organized** an event as a Technical coordinator for the event ROBOGYAN under AARUUSH’14 the National Level Techno Fest of SRM University.

**HOBBIES / INTERESTS**

* Self learning from online MOOCS on Data Analytics , Data science , Machine Learning
* Data science & Machine Learning projects
* Freelancing / online tutoring in subjects like Mathematics, Statistics
* Reading books on Data science, Business Development & Entrepreneurship
* Exploring new technologies

**PERSONAL PROFILE**

D.O.B : 24/08/1994

Gender : Male

Language proficiency : English, Hindi, Malayalam, Telugu, Japanese (Basic level)

I hereby declare that the aforementioned details about me are true to my knowledge.

**Date** : 17th April 2018