

# HARI HARA SUDAAN KRISHNEN

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## SUMMARY

- Graduate student with 2 years of experience in developing analytical dashboards, handling massive datasets and actively developing skillset in creating cutting edge predictive modeling and deep learning solutions.
- **Department Representative** for Informatics at NJIT, which aims in assisting students by articulating their interests and discuss/vote upon GSA activities in the general assembly meetings.

## EDUCATION

- Master of Science in **Information Systems**, New Jersey Institute of Technology, Newark, NJ  
Expected Graduation Date: **Dec 2020** | GPA: **3.94**
- Bachelor of Engineering in **Computer Science & Engineering**, PSG College of Technology, India  
**May 2017** | GPA: **3.5**

## TECHNICAL SKILLS

- **Programming Languages** : Python, PL/SQL, Java, PHP, JavaScript
- **Analytical Tools** : Tableau, SAS, Rapid Miner, Google Analytics, Excel
- **Data Platforms** : AWS Cloud S3, PostgreSQL, Oracle, MySQL, MongoDB, Hadoop
- **AI/Machine Learning** : Scikit learn, NumPy, Pandas, Matplotlib
- **Other Tools** : Anaconda, Heroku, GitHub, Eclipse, MS Visio

## RELEVANT COURSEWORK

Data Analytics, Data Mining, Machine Learning, Web Mining, Database Management System, Deep Learning

## PROFESSIONAL EXPERIENCE

**Systems Engineer, Tata Consultancy Services (TCS), India**

**Jun 22, 2017 - Dec 28, 2018**

- Created real-time dashboards supplemented by intuitive analytics & reports using Tableau
- Worked on an enterprise application which is utilized for learning & development, project management, social media and managing other employee services
- Delivered periodic reports and decks for reviews on business metrics (as Risk, Productivity, Customer Experience)
- Developed KPIs to measure the business performance in modules like design thinking toolkits, Events and Hubs
- Performed database tuning to reduce query processing time in the global search module of the application
- Performed end-to-end activities right from the requirement analysis, data modeling, database design, coding until the application is deployed into Production in an agile way of working
- Completed EO, E1 Certification in Data Science, R Programming, Python, Internet of things, Agile and AWS

## ACADEMIC PROJECTS

- **Student Academic Performance – ML (Mar 2020 – May 2020)**: Predicted the academic level of the student (Low, medium, high) based on the various features measured in an LMS. Multi-variate classification problem.
- **PIMA Indians Diabetes Analysis – ML (Aug 2019 – Dec 2019)**: Analyzed the problem, cleaned the dataset, performed data visualization and built model with Neural Networks and Decision Tree to predict whether a person will be affected by diabetes or not based on various diagnostic measures of the patients.
- **United States Household Income Analysis (Aug 2019 – Dec 2019)**: Created Interactive Dashboards to summarize the findings of the US Household Income in geographical statistics considering various factors. Tools: Tableau.
- **Data Quality using ML (Aug 2019 – Dec 2019)**: An unsupervised outlier detection model was built to detect the anomalies on the Mortgage Loan Data. Algorithms: Robust Covariance and Isolation Forest

## SCHOLASTIC ACHIEVEMENTS

- Received '**Best University Project Award**' and '**Best Project Award in the Computer Science Department**' for the project 'Trail of Tech', from TCS and PSG College of Technology, India
- Won **1<sup>st</sup> Prize** in Project Presentation Competition, Knowledge Institute of Technology and Secured rank within top **10 out of 300 projects**, VIT University for the project 'Human Detection by Live Body Sensing Robot'

## EXTRACURRICULAR ACTIVITIES

- Arranged hospitality for 200+ participants across India, **Head Transport Coordinator** (Entrepreneurs club) in **INNOVAT** (Make in India) - an innovation conference, National Research Development Conference, Coimbatore