**PARAM NAGDA**

[paramlnagda@gmail.com](mailto:paramlnagda@gmail.com) | +1 (812) 327-6965 | [linkedin.com/in/paramlnagda](http://www.linkedin.com/in/paramlnagda)

**EDUCATION**

**Indiana University Bloomington, IN, USA**

**Master of Science,** Data Science, GPA: 3.6 May 2023 Relevant coursework**:** Elements of Artificial Intelligence, ***Data Mining***, Introduction to Statistics, ***Applied Algorithms***

**NMIMS University Mumbai, India**

**Bachelor of Technology,** Electronics and Telecommunication May 2021 Relevant coursework: Programming for Analytics (SAS), ***Business Analytics and Visualization***, Probability and Random Processes, Fuzzy Logic and Neural Networks, Data Encryption and Network Security, ***Object Oriented Programming***

**TECHNICAL SKILLS**

**Languages:** C, C++, Java, MATLAB, ***Python***, **R**, HTML, VHDL, CSS, ***JavaScript***, ***SQL***

**Analytics:** SAS Studio, R Studio, Power BI

**Tools:** Adobe Creative Cloud (Photoshop and Illustrator), Xilinx Vivado, Arduino, Rasberry Pi, Git, Ansys HFSS, NumPy, Pandas, Seaborn, Matplotlib, Sckitlearn, SciPy, MS Office Suite, Code Blocks, Python IDLE, AutoCAD, Jupyter, Tina Pro, Eagle, XCTU, Keil, TASM, Google Colab, Anaconda, Eclipse, Google Analytics, Visual Studio

**Certifications:** Python for Data Science and Machine Learning Bootcamp (Udemy, August 2020), R Programming by John Hopkins University (Coursera, October 2020), Deep Learning by deeplearning.ai (Coursera, November 2020), Google Analytics for Beginners (Google, October 2021)

**ACADEMIC PROJECTS AND PAPERS**

**Salesforce Marketing Analytics** January 2022 - Current

*Technologies used: Salesforce Datorama, Google Analytics*

* Currently mining Indiana University’s social media data and analyzing it using Salesforce Datorama and Google Analytics to deliver recommendations to improve Salesforce Datorama’s features and offerings

**Accident Detection and Damage Recognition System** October 2021 - December 2021

*Technologies used: Python (Libraries – tensorflow, pandas, numpy, matplotlib, sklearn, keras) and Google Colab*

* Developed a ***detection and classification, ML-based image processing model achieving an 83% accuracy*** to recognize damage severity on vehicles aiding insurance companies in faster claims management

**CPU Usage Forecasting using Various Models** August 2020 – March 2021

*Technologies used: Python (Libraries – pandas, numpy, matplotlib, pmdarima, sklearn, keras) and Google Colab*

* Implemented various predictive algorithms using Time Series Analysis to forecast the CPU Usage ***achieving the lowest error of 1.1% with LSTM model*** to adjust the limit for users according to their requirements

**Evaluation of Various CNN Network Architectures for Retinal Images** January 2020 – March 2020

*Technologies used: Python (Libraries – pandas, numpy, matplotlib, os, sys, sklearn, keras), Jupyter Notebook*

* Evaluated 9 different CNN architectures and inferred MobileNet to possess the best ***accuracy of 84%*** in terms of its ability to classify diabetic retinopathy into 5 classes of severity
* Authored and presented a paper in ICSCSP, 2020 and published it in [Springer AICS Series](https://link.springer.com/chapter/10.1007/978-981-33-6912-2_7) journal

**Product Line Analysis** February 2020 – March 2020

* Analyzed a data set containing information of various products using the visualization tools of SAS, utilizing several charts and graphs to make pertinent recommendations based on the demand of the products

**Bird Species Recognition** January 2019 – March 2019

* Designed a MATLAB program using Mel Frequency Coefficients (MFCC) ***attaining a 90% accuracy rate*** to predict bird species based on their voice

# CO-CURRICULAR ACTIVITIES

**International Ground Vehicle Competition, Michigan, USA** July 2020 – April 2021

*Technical and Accounts Head*

* Led a team of 7 to construct a semi-rugged, autonomous, outdoor all-terrain vehicle successfully raising $11,000 to present an in-depth report and represent India at Oakland University

**Institute of Electronics and Telecommunication Engineers, India** August 2019 – April 2020

*Digital Creatives Head*

* Responsible for creating digital marketing content resulting in a 60% increase in viewership through our online social media platforms