

# Dinesh Chandra Gaddam

Arlington, VA • 703-906-4408 • [dineshchandragsaddam2002@gmail.com](mailto:dineshchandragsaddam2002@gmail.com) • [LinkedIn/Dinesh](#) • [GitHub](#)

## EDUCATION

**The George Washington University**, Washington, DC  
**M.S, Data Science | CGPA - 3.78/4.00**

Anticipated December 2025

Relevant Coursework: Cloud Computing, Machine learning, Data Visualisation, Data Mining, Data Warehousing

**National Institute of Technology**, Srinagar, India

May 2023

**B.Tech, Electronics and Communication Engineering**

Relevant Coursework: Advance Mathematics, Data Structures and Algorithms, Statistics

## PROFESSIONAL EXPERIENCE

**Data Science and Research Intern**

Hyderabad, India

**Bharat Smart Services Company**

June – August 2024

- Developed a model to classify household appliances by power consumption, optimizing energy usage and reducing costs by 15%. With prediction **accuracy of 94%**.
- Enhanced data processing ETL workflows and reporting methods, scaling the solution to manage data for over **50,000 households**. Used Deep Learning, Neural Networks, LSTM, Power BI Dashboards, Data Exploring & Manipulation.

**Data Science and Research Intern**

Hyderabad, India

**Letsgrowmore Company**

March – April 2022

- Improved the accuracy of flower species classification by 97.5%, aiding conservation efforts for endangered plants.
  - Analysed global demographics data to identify patterns and causes, supporting policy development and security strategies.
- Used scikit-learn, KNN, Feature Engineering, Seaborn, Matplotlib, Pandas, NumPy, Random Forest, Decision Tree.

## TECHNICAL PROJECT EXPERIENCE

Appliance Image Classification | Python, CNN- Computer Vision, Google Colab, AWS - SageMaker, TensorFlow, Keras

- Created a Convolutional Neural Network model to classify household appliances from images, using Google Colab for model building and AWS for deployment and testing purposes. This model supports automated appliance identification, aiming to improve efficiency in energy management.

World Population Demographics Analysis | Python, Plotly, Seaborn, Matplotlib, Tableau

- Analysed global population data by referencing studies and comparing historical trends with current population data to make future predictions. Created visualizations offering insights into demographic trends and supporting data-driven decision-making.

Local Restaurant Review and Rating System | Python, MongoDB, NoSQL

- Developed a system for collecting and processing restaurant reviews and ratings, improving management with customer feedback.

Effect of Historical Events on S&P 500 | R, Hypothesis Testing, Regression Models, ETL Processes

- Analysed and performed EDA of the impact of Covid-19, Russia-Ukraine war and Great Recession on the S&P 500, providing insights into market patterns using statistical analysis.

## TECHNICAL SKILLS

**Machine Learning & Applications:** RNN, OpenCV, Bigdata, Generative-AI, probability theory, distributions, regression and prediction modelling, Feature Selection and Extraction, Story-telling

**Programming Languages:** Python, R, SQL, HTML

**Frameworks & Tools:** GitHub, MS Excel, AWS, Cloud computing, DBMS, Tableau, Power BI, scikit-learn, Plotly.

## CERTIFICATIONS & ACHIEVEMENTS

- IBM Data Science Professional • Deep Learning by deep learning.ai- Andrew Ng • Google Data Analytics • HackerRank - Problem Solving, SQL Intermediate Test Badge • LinkedIn- Python, Excel skill Assessment Badge
- Recipient of **Global Leaders Award** for Spring and Fall 2024 at GWU

