

Venkat Srinivasa Raghavan

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Available: January 2024 – September 2024

EDUCATION

Northeastern University, Boston, MA
Khoury College of Computer Sciences

Master of Science in Data Science

Related Courses: Supervised Machine Learning, Unsupervised Machine learning,
Data Management and Processing.

January 2023 - Present

Expected December 2024

GPA: 4.0/4.0

R.V College of Engineering, Bengaluru, India

Bachelor of Engineering in Electronics and Instrumentation

Related Courses: Object oriented programming with C++, Graph theory, Java programming
Data Structures and Algorithms.

September 2020

GPA: 8.69/10

SKILLS

Programming languages:	Python, R, C#, SQL, JavaScript, Typescript, Java.
Data Operations:	Data cleaning and preprocessing, Exploratory data analysis (EDA), Data visualization.
Machine Learning Techniques:	Supervised learning, Unsupervised learning, Deep learning, Computer Vision, Natural Language processing.
Software Development:	Data structures and algorithms, Object oriented programming, Web development.
Tools and Frameworks:	TensorFlow, Pytorch, C#.NET, Angular, Entity Framework Core, Node.js

PROFESSIONAL EXPERIENCE

Airbus Group, Bengaluru, India

June 2020 - December 2022

Associate Engineer - Methods and Tools

- Developed software to automate and streamline data operation's workflow for the IP Management tool, leading to a 42% reduction in processing time.
- Developed software to perform end to end creation of aircraft test manuals leading to an increase in process efficiency by 64%.
- Mentored and trained new employees towards the development and governance of Interface point management.

PROJECTS

- Air Pollution Trend Analysis and Forecasting** March 2023 - April 2023
Conducted statistical analysis of air pollution data and employed time series forecasting models to predict future pollution trends. Resulting forecasts provided valuable information to mitigate the negative effects of air pollution.
- Image Classification on CIFAR-10 dataset** March 2023 - April 2023
Conducted a comparative study of deep learning techniques with and without convolution, as well as traditional supervised machine learning algorithms, for image classification on CIFAR-10 dataset.
- Custom Artificial Neural Network Functions** April 2023 – May 2023
Created custom artificial neural network functions. Implemented code to optimize and improve the network's performance. Applied these functions to sample dataset and achieved a high accuracy.

ACCOMPLISHMENTS

- Published technical paper: **"A Novel Approach towards Early Detection of Obliteration in Lumbar Lordosis."** in the Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)
Patent Application filed: Date - 09/22/2022, Application No: 202241054225 A.
- Awarded with **"Spot Award"** by Airbus India for displaying proficiency as Single point of contact for the IP Management project in Airbus India.
- Runner up in the Durabird East Coast Badminton Team Championships 2023 with Northeastern University.