



# ARAVINDA KUMARAN VENKADESWARAN

## SOFTWARE DEVELOPER

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## TECHNICAL SKILLS

• Python Programming	●	●	●	●	●
• Java Programming	●	●	●	●	●
• REST APIs	●	●	●	●	●
• Vue.js	●	●	●	●	●
• C++ Programming	●	●	●	●	●
• MySQL	●	●	●	●	●

## COURSES COMPLETED

- Data Structures and Algorithms
- Probability and Statistics
- Advanced Programming
- Machine Learning
- Image Analysis
- Digital Signal Processing
- Privacy and Security in Online Social Media
- Reinforcement Learning
- Designing Human Centered Systems
- Speech Recognition and Understanding
- Semantic Web

## EDUCATION

**Master of Science, Data Analytics and Decision Science**  
*Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen University, Germany (2022-Present)*

**Bachelor of Technology, Electronics and Communication Engineering**  
*Indraprastha Institute of Information Technology, Delhi (IIITD) (2015-2019)*

## WORK EXPERIENCE

### Software Development Analyst

*Goldman Sachs, India (October 2021-September 2022)*

- Responsible for migrating existing database based pipeline to a Kafka based pipeline for handling information about internal financial products.

### Senior Software Engineer

*Nucleus Software Exports, India (July 2020-August 2021)*

- Integral part of client-side and server-side development of FinnOne Neo Sales Assist  
(<https://www.nucleussoftware.com/products/lending/finnone-neo-digital-channels/finnone-neo-sales-assist>)
- Designed and implemented an Admin Panel which caters to configurability requirements of multiple products.
- Heavily involved in the addition of support for new Lines of Businesses (LoBs) into existing product.
- Worked on the development and improvement of internal frameworks used by multiple products.

### Software Engineer

*Nucleus Software Exports, India (July 2019-July 2020)*

- Developed a new web-based loan customer onboarding solution from the ground up.
- Single-handedly created both the backend and the frontend of various crucial aspects of the product such as Collateral Management, Loan Sourcing, etc

### Data Analytics Intern

*Qatar Computing Research Institute, Qatar (May 2017-June 2017)*

- Worked as part of the Data Analytics division
- Worked on a two-member project to Detect and Classify Partial Discharges in Transformers using Machine Learning Techniques.

## PROJECTS

### Semi-Supervised Accent Invariant Speech Recognition

*July 2018 - May 2019*

- Studying the efficacy of the use of speech embeddings to build a model capable of speech recognition that is not dependant on speaker accent

### Analysis of Ride-Sharing Services in Delhi

<https://dl.acm.org/doi/fullHtml/10.1145/3308560.3317057>  
*February 2018 - February 2019*

- Analyzing features such as affordability, availability, etc of Uber across different regions of Delhi through data collected from the Uber API and a Man In The Middle Process

### Social Policing: Analyzing Real World Policing on Social Media

*August 2017 - November 2017*

- Analyzed the Facebook and Twitter handles of Police departments in order to make inferences about police-community engagement

## LANGUAGE PROFICIENCY

- English
- Hindi
- Tamil
- French
- German



## OTHER SKILLS AND INTERESTS

- Basketball
- Guitar
- Public Speaking
- Debating
- Cycling
- Aspiring Polyglot
- Long Distance Running

## CERTIFICATIONS

### Python for Data Science and AI

*Coursera (Certified by IBM)*

### Data Visualization with Python

*Coursera (Certified by IBM)*

### Data Analysis with Python

*Coursera (Certified by IBM)*

### Data Science

### Methodology

*Coursera (Certified by IBM)*

## AWARDS

### BuildNeo Strategic SPOT Awardee

*Nucleus Software Exports (March 2020, March 2021)*

## POSITIONS OF RESPONSIBILITY

- TEDxIIITD 2018 Co-Organizer
- IIITD Student Council Member
- GCIMUN New York – Delegate
- DTAC, Amman, Jordan – Representative of Qatar