

# Dr Arunkumar Athimoolam

nurak23@gmail.com | https://www.linkedin.com/in/nurak23 | https://www.github.com/nurak23 | 9710330234

# Professional Objective:

An enthusiastic professional looking forward to providing definite solutions to solve critical business problems and an attitude of endless learning. Keen on playing an important and responsible role in an organization using the best of my skills and capabilities that challenges me to perform exceptionally.

## Profile Highlights:

- Freelance Trainer, Unique System Skills LLC with experience in training USA students on SQL, JAVA, NodeJS, Web development, since Sept 2021 till date.
- Worked for the Department of Electronics and Communication Engineering, CEG, Anna University, India as a **Teaching Fellow**, from July 2019 to June 2022 specializing in Machine Learning/Artificial Intelligence.
- Worked as Assistant Engineer in MELSS and have developed Innovation Solutions for monitoring the continuity status of test fixtures for Turret Interface box ATE using NI DAQ cards, from Aug 2013 to May 2014
- Part-time Course Instructor for Center for Distance Education, Anna University and have guided 60 MCA students in Web/App development since August 2020.
- **6 years** of **research** experience in the Electronics and Communication Engineering as a protocol developer/Analyst for devices connected with bottle-neck bandwidth in a heterogeneous fashion.
- <u>Full time</u> Doctoral degree in **Doctorate of Philosophy** majoring in Information and Communication Engineering, Anna University, Chennai, India.
- <u>Full time</u> Post Graduate in **Master of Engineering** majoring in Communication Systems, Anna University, Chennai, India.
- <u>Full time</u> Under Graduate in **Bachelor of Engineering** majoring in Electronics and Communication Engineering, Anna University, Chennai, India.
- A candidate with a good blend of experience in **Leadership**, **Argumentativeness**, **Curiosity**, **Troubleshooting**, **Research** knowledge with **Quantitative Analytic skills** and strong Academic background with **Technical** skills ready to roll up sleeves for any forthcoming challenges.
- Delivered Guest lecture on Industrial Internet of things (IIOT) for students and faculty members.
- Microsoft certified online innovative tutor and **18 certifications** (ref LinkedIn page).
- Google Data Analytics and IBM Data Science Certification courses through Coursera

### Work Experience:

- 1. Teaching Fellow, Anna University, Chennai, 05/07/2019 28/06/2022 (03 years) Academic
- 2. Assistant Engineer, MELSS, Chennai, 14/08/2013 31/05/2014 (9 months 18days)

## **Industry**

# Technical Expertise:

Programming	Python, R, JAVA
Languages	
Database Knowledge	SQL, MongoDB, Firebase
Web Development	MEAN stack with CRUD, HTML 5, CSS3, Angular, Bootstrap
Web Framework	Django, Streamlit, Web2py, Falcon, Flask, Kivy, R Shiny
Deep Learning	OpenCV, Sklearn, pandas, numpy, matplotlib, keras, TensorFlow
frameworks	
Computer Vision tools	Amazon Rekognition, Google cloud vision, Fritz, IBM Watson
Machine Learning models	Naive Bayes, Linear Regression, Random Forest, Decision Tree
Testing	A/B test, Z-test, T-test, RestAssured, Selenium, Cucumber, Postman, SOAP, Junit, API testing
Visualization Tools	Folium, Plotty, Dashboard building with advanced Excel, Data story Telling with PowerBi, Tableau, Google Analytics

### **Education:**

- ➤ **Doctoral degree in Information and Communication Engineering,** 07/2014 02/2020, College of Engineering Guindy (CEG), Anna University, Chennai, India
- ➤ Master's degree in Communication Systems, 07/2011 06/2013, CEG, Anna University, Chennai, India
- ➤ Bachelor's degree in Electronics and Communication Engineering, 07/2007 05/2011, Sri Ramanujar Engineering College, Chennai, India

#### **DECLARATION**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place:Chennai (Dr.A.Arunkumar)



10 Courses

What is Data Science?
Tools for Data Science

Data Science Methodology

Python for Data Science, Al &

Python Project for Data Science

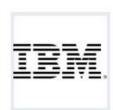
Databases and SQL for Data Science

Data Analysis with Python

Data Visualization with Python

Machine Learning with Python

Applied Data Science Capstone



Nov 29, 2022

#### ARUN KUMAR ATHIMOOLAM

has successfully completed the online, non-credit Professional Certificate

# **IBM Data Science**

In this Professional Certificate, learners developed and honed handson skills in Data Science and Machine Learning. Learners started with an orientation of Data Science and its Methodology, became familiar and used a variety of data science tools, learned Python and SQL, performed Data Visualization and Analysis, and created Machine Learning models. In the process they completed several labs and assignments on the cloud including a Capstone Project at the end to apply and demonstrate their knowledge and skills. 1.15

Rav Ahuja Al & Data Science Program Director IRM Skills Network

The online specialization named in this certificate may draw on material from courses bught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does

Verify this certificate at: https://coursera.org/verify/profession al-cert/QBRLWY8P4ELC



**B** Courses

Foundations: Data, Data, Everywhere

Ask Questions to Make Data-Driven Decisions

Prepare Data for Exploration

Process Data from Dirty to Clean

Analyze Data to Answer Questions

Share Data Through the Art of Visualization

Data Analysis with R Programming

Google Data Analytics Capstone: Complete a Case Study



Sep 27, 2022

#### ARUN KUMAR ATHIMOOLAM

has successfully completed the online, non-credit Professional Certificate

# **Google Data Analytics**

Those who earn the Google Data Analytics Professional Certificate have completed eight courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in Data Analytics. They are competent in tools and platforms including spreadsheets, SQL, Tableau, and R. They know how to prepare, process, analyze, and share data for thoughtful action.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not confoitute enrollment at this university. This certificate does not confor a University grade, course credit or degree, and it does not werfly the identity of the identine.

Verify this certificate at: https://coursera.org/verify/profession al-cert/48DU9XUT2DWC



Reg.No. 1414419770/RG

The Syndicate of the Anna University hereby makes known that ARUN KUMAR A has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

ENHANCED NETWORK ASSISTED - MEDIA AWARE PROTOCOLS (ENA-MAP) FOR SCALABLE VIDEO MULTICASTING-

Given under the Seal of the University

Chesnai 600 025 India March 2021

Controller of Examinations

Registrar

Vice-Chancellor