

# ARUN GOPAL GOVINDASWAMY

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## EDUCATION

**Master of Science in Data Science (2020)**, *DePaul University*, CGPA: 4.0/4.0.

**Bachelor of Technology in Computer Science and Engineering (2017)**, *BS Abdur Rahman University*, CGPA: 3.44/4.0.

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## SKILLSET

**Skills** - Statistical Analysis, Machine Learning, Data Engineering, Big Data Framework, Data Visualization

**Programming** - R, Python, SQL, SQLite, Hive, Java, Pig, Groovy, Shell

**Tools** - Jenkins, UDeploy, Kibana, ElasticSearch, SAS, Oracle, Tableau, Hadoop, Spark, AWS

**Certification** - Business Analytics Using R, Certified Data Scientist Using R, Machine Learning 202, Analytics with R

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## PROFESSIONAL EXPERIENCE

### Volunteer Research

Mar 2019—Present

*Medical Informatics Laboratory, DePaul University*

- The research laboratory primarily focuses on medical imaging, image processing, computer vision, machine learning, data mining and knowledge discovery for health care, medicine, and biology related applications.
- Working on medical diagnosis by leveraging data science concepts such as image processing, machine learning and data analysis.

### IT Support Specialist

Aug 2019—Present

*Career Center, DePaul University*

- Responsible for continuous delivery of service demands, identifying opportunities to streamline vendor-supplied software through the use of IT and custom solutions, and enabling stable operation of technology components.
- Identifying potential technical improvements; creating training materials and procedures to the users; training non-technical users; communicating realistic solutions to existing and potential issues with the the internal and external stakeholders.

### DevOps Engineer

Dec 2017—Feb 2019

*Cognizant Technologies, Chennai, India*

- Built, maintained, and automated Continuous Integration and Continuous Delivery pipelines by leveraging the CI/CD tools.
- Collaborated with different teams to troubleshoot the issues related to CI/CD pipelines, configuration and deployment issues.
- Built tools and processes to improve build and release management activities and also to improve team productivity.
- Orchestrated continuous delivery of project requirements by following agile methodology in a fast-paced sprints.
- Automated scripts and tasks to meet deployment, client and cross-platform user needs.

### Customer Service Provider

Aug 2017—Dec 2017

*SITEL India Ltd, Chennai, India*

- Evaluated technical problems by using company troubleshooting resolution tree while leveraging personal expertise to find solutions.
  - Provided basic technical support for customers on a wide range of client products.
  - Promoted superior experience by addressing customer concerns, demonstrating empathy and resolving problems swiftly.
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## PROJECTS

### Tracking movement features in *Caenorhabditis elegans* (Using applications of Data Science)

Mar 2019—Present

- Aiming to address the challenge of understanding the genetic bases of behavior in neuroscience using the *C.Elegans* nematode.
- Identifying genes that modulate food related behaviors in nematodes by quantifying behavioral difference in mutant strains.

### Speech Emotion Recognition using Tamil Language

Jan 2017 – May 2017

- Developed a emotion recognition machine learning model with a motivation to build versatile virtual assistants that could understand the human's current emotional state. This model could be applied in psychological analysis, speech recognition, robots, etc.,
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## LEADERSHIP AND COMMUNITY ACTIVITIES

### Graduate Student Ambassador

July 2017 - Present

- Represent and promote DePaul University's MS in Data Science program at events for prospective students. Engage with prospective students and respond to inquiries.
- Proactively resolving prospective student's queries about Data Science, and greeting, helping and guiding new students.

### Joint Secretary

July 2015—May 2017

- Played a vital role as channel between students and the faculty, mentored fellow and junior students with curricular and co-curricular activities, organized several technical, non-technical and cultural events. Motivated and lead a team of other students and volunteers.
- Fostered an environment of growth, leadership, learning and support within the department

### Vice-Captain

July 2014 – May 2017

### Cognizant Outreach

Dec 2017 – Feb 2019

### Chennai Trekking Club

Jan 2016 – Mar 2019

### Crescent Blood Donor

Aug 2015 – May 2017