




Sreevalsan S Menon

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Employment History





- 2018 –  **Graduate Teaching Assistant**, Missouri University of Science and Technology
Taught controls and mechatronics
- 2017 –  **Graduate Research Assistant**, Missouri University of Science and Technology
- 2015 – 2016  **Graduate Research Assistant**, Precision Instrumentation Laboratory, Indian Space Research Organization Inertial Systems Unit, India

Education


- 2017 – 2021  **Ph.D., Missouri University of Science and Technology** in Mechanical Engineering
Thesis title: *Identification of Neuromarkers in Health and Disease Using Intrinsic Individual Neuronal Activities in the Human Brain*
GPA: 4.0/4.0
- 2014 – 2016  **M.Tech. Computer Integrated Manufacturing., University of Calicut** in Mechanical Engineering
Thesis title: *Robotic Micro Abrasive Jet Machining for Recast Layer Removal.*
GPA: 8.9/10 (equivalent to 3.9 out of 4.0)
- 2010 – 2014  **B.Tech. with Honours, University of Calicut** in Mechanical Engineering
GPA: 8.2/10 (equivalent to 3.7 out of 4.0)

Research Publications

Journal Articles

- 1 Menon, S. S., & Krishnamurthy, K. (2019a). A comparison of static and dynamic functional connectivities for identifying subjects and biological sex using intrinsic individual brain connectivity. *Scientific reports*, 9(1), 1–11.  <https://doi.org/10.1038/s41598-019-42090-4>
- 2 Menon, S. S., & Krishnamurthy, K. (2019b). A study of brain neuronal and functional complexities estimated using multiscale entropy in healthy young adults. *Entropy*, 21(10), 995.  <https://doi.org/10.3390/e21100995>
- 3 Antony, F., Albert, P., Rimi, P., Disney, R., Sooraj, M., & Menon, S. S. (2014). Design and development of pneumatic hybrid vehicle (phv). *International Journal of Innovative Research in Science, Engineering and Technology*, 3(6), 13184–13191.  <https://doi.org/10.5281/zenodo.3478671>
- 4 Menon, S. S., Sooraj, M., Mohan, S., Disney, R., & Sukumaran, S. (2013). Design and analysis of kinetic energy recovery system in bicycles. *International Journal of Innovative Research in Science, Engineering and Technology*, 2(8), 2319–2373.  <https://doi.org/10.5281/zenodo.3476891>

Conference Proceedings




- 1 Menon, S. S., & Kumar, S. (2017). Surface integrity improvement of edm components by robotic micro abrasive jet machining, In *Ktu-kerala technological congress 2017 (ketcon 2017)*.
 <https://doi.org/10.5281/zenodo.3478673>
- 2 Menon, S. S., & Kumar, S. (2016). Robotic micro abrasive jet machining for recast layer removal, In *National level pg research conference on emerging trends in manufacturing (factura-2k16)*.

Skills








Coding	MatLAB, Python, R, \LaTeX , Shell script, C (basic), C++ (basic)
Databases	MySQL
Neuroimaging	FSL, AFNI, SPM.
Modelling	AutoCAD, Solid Edge, Pro-E, Creo 2.0, and RobotStudio
Scientific Application	SAS, JMP, LINDO, LINGO, Ansys, Minitab
Misc.	Academic research, Teaching, Excel Skills for Business, Machine Learning, Deep Learning.

Miscellaneous Experience

Awards and Achievements

- 2017  **Best Paper Award**, Best paper award received for KETCON presentation.
- 2014  **Certificate of Excellence**, Certificate of Excellence by University of Calicut for outstanding student.
-  **GATE**, Qualified Graduate Aptitude Test in Engineering.

Certification

- 2020  **IBM AI Engineering Specialization**. IBM
-  **Python for Everybody Specialization**. University of Michigan
-  **Mathematics for Machine Learning Specialization**. Imperial College London
-  **Deep Learning Specialization**. deeplearning.ai
-  **Data Science: Foundations using R Specialization**. Johns Hopkins University
-  **Machine Learning**. Stanford University
- 2015  **CREO for Designers**. PTC University

References

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