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., Rimin, 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), 2319–8753. 🔗 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-read), C++ (basic-read)
Databases	MySQL
Neuroimaging	FSL,AFNI,SPM, Fieldtrip.
Modelling	AutoCAD, Solid Edge, Pro-E, Creo 2.0, and RobotStudio
Scientific Application	SAS, JMP, LINDO, LINGO, Ansys, Minitab
Misc.	Academic research, Teaching, LabView, PLC, Excel Skills for Business, Machine Learning, Deep Learning, Filtering, Nonlinear Controls.

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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