Nickolaj Ajay Atchuthan
PhD Fellow
Department of Health Science and Technology
The Faculty of Medicine
Neural Engineering and Neurophysiology
Center for Neuroplasticity and Pain
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Research profile

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Denmark

I hold a Master of Science in Biomedical Engineering and Informatics, and have experience as a research assistant. I am continuing my work as a PhD fellow. My expertise in signal processing and deep learning is being leveraged in my research project, which aims to understand pain processing through intracranial signals from multiple brain regions in a large animal model.

Qualifications

Biomedical Engineering and Informatics, Master of Science, Using a CNN-LSTM Architecture to Classify Chronic Pain Models based on μ ECoG Recordings from S1 in large animal models

1 Sept 2021 → 21 Jun 2023 Award Date: 21 Jun 2023

Biomedical Engineering and Informatics, Bachelor of Science, Modality matched termotactile feedback system for hand prosthetic users

3 Sept 2018 → 29 Jun 2021 Award Date: 29 Jun 2021

Employment

PhD Fellow

PhD Fellow

Department of Health Science and Technology
The Faculty of Medicine
Gistrup, Denmark
15 Oct 2023 → 31 Dec 4712

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The Faculty of Medicine
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PhD Fellow

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Gistrup, Denmark
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Center for Neuroplasticity and Pain

The Faculty of Medicine Aalborg East, Denmark 15 Oct 2023 → present

Research outputs

Spatio-Temporal Analysis of LTP-like Neuroplasticity in Pigs

Danyar, M. B., Clark, H. F., Atchuthan, N. A., Daugbjerg, L. K., Andersen, A. K., Janjua, T. A. M. & Jensen, W., 19 May 2023, 11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings. IEEE (Institute of Electrical and Electronics Engineers), 4 p. (International IEEE/EMBS Conference on Neural Engineering, NER).

Classification of noxious and non-noxious event-related potentials from S1 in pigs using a convolutional neural network Atchuthan, N. A., Clark, H., Danyar, M. B., Andersen, A. K., Andreis, F. R. & Meijs, S., 24 Apr 2023, 11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings. IEEE (Institute of Electrical and Electronics Engineers), 10123776. (International IEEE/EMBS Conference on Neural Engineering, NER).