

Faculty Profile

Dr. T. Mathu

Assistant Professor,
Division of Data Science and Cyber Security.
email id: mathu@karunya.edu



Academic Background

| Degree | University | Year |
|--------|--|------|
| Ph.D | Karunya Institute of Technology and Sciences | 2023 |
| M.Tech | Karunya University | 2011 |
| B.E | Anna University | 2006 |

Courses Taught

- Theory of Computation
- System Software and Compiler Design
- Design and Analysis of Algorithms
- Computer Architecture
- Database Management Systems
- Block Chain Technology
- Advanced Algorithms

Research Interests

- Biomedical Text Mining
- Natural Language Processing
- Deep Learning

Most recent Publications

- Mathu T., RAIMOND, K. (2023). A hybrid drug named entity recognition framework for real time pubmed data using deep learning and text summarization techniques. *Przegląd Elektrotechniczny*, 2023(8).

- Mahima, S., Mathu, T., & Raimond, K. (2022). COVID-19 Symptom Analysis and Prediction Using Machine Learning Techniques. In *Disruptive Technologies for Big Data and Cloud Applications: Proceedings of ICBDDC 2021* (pp. 847-857). Singapore: Springer Nature Singapore.
- Mathu, T., & Raimond, K. (2021). A novel deep learning architecture for drug named entity recognition. *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 19(6), 1884-1891.
- Mathu, T., Raimond, K., & Priya, S. J. (2021, August). An Overview of Technological Revolution in Deep Learning Architectures for Biomedical Named Entity Recognition. In *2021 Asian Conference on Innovation in Technology (ASIANCON)* (pp. 1-6). IEEE.
- Chukwuocha, C., Mathu, T., & Raimond, K. (2018). Design of an interactive biomedical text mining framework to recognize real-time drug entities using machine learning algorithms. *Procedia computer science*, 143, 181-188.