AMEER MOHAMED ASLAM SUJAH

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in LinkedIn | 🎓 Google Scholar | ⚲ Academic Profile | ⓘD Scopus ID

No - 28/B, Old Post Office Road, Sainthamaruthu - 09, 32280, Sri Lanka

OBJECTIVE

I am a dedicated academic professional with experience in teaching, research, and curriculum development in Information and Communication Technology. Currently a Lecturer at South Eastern University of Sri Lanka, I specialize in Data Mining, Machine Learning, Artificial Intelligence, and Cloud Computing. My Master's thesis, "Enhancing Plant Disease Detection with Transfer Learning and Ensemble Techniques Based on Plant Families," highlights my commitment to applying AI methodologies to solve real-world challenges. My research contributions span facial emotion recognition and environmental monitoring. Proficient in Cloud Computing, Amazon Web Services and Microsoft Azure, I leverage modern technologies for scalable and efficient solutions. With expertise in programming, data analysis, and emerging technologies, I actively engage in research collaborations and scholarly activities. Seeking opportunities to pursue a Ph.D., I aspire to contribute innovative solutions to real-world challenges through interdisciplinary research, academic excellence, and technological advancements.

EDUCATIONAL QUALIFICATIONS

- **M.Sc. in Computer Science** *August 2020 – October 2023*
  University of Colombo School of Computing *UoC, Sri Lanka*
  ∘ FGPA: 2.68/4.0

- **B.Sc. (Special) in Computing and Information Systems** *May 2015 – August 2019*
  Sabaragamuwa University of Sri Lanka *SUSL, Sri Lanka*
  ∘ FGPA: 3.42/4.0 (Second Class Upper Division)

- **Physical Science Stream** *August 2013*
  Km/Zahira College, Kalmunai *ZCK, Sri Lanka*
  ∘ (Combined Mathematics - B, Physics - C, Chemistry - C)

PROFESSIONAL EXPERIENCE

- **Lecturer (Probationary) in ICT** *December 2021 - Present*
  South Eastern University of Sri Lanka [🌐] *Oluvil, Sri Lanka*
- **AWS Academy Educator** *August 2024 - Present*
  AWS Academy [🌐] *Remote - Part Time*
- **External Online Tutor** *August 2021 - Present*
  Open University of Sri Lanka [🌐] *Remote - Part Time*
- **Software Engineer** *December 2019 - December 2021*
  Virtusa Private Limited [🌐] *Colombo, Sri Lanka*
- **Trainee Software Engineer** *October 2017 - April 2018*
  Apex Digital Solutions [🌐] *Kalmunai, Sri Lanka*

POSITIONS HELD

- **Program Administrator & Central Point of Contact (CPOC)** *August 2024 - Present*
  AWS Academy - South Eastern University of Sri Lanka
- **Industrial Training Coordinator** *August 2023 - December 2025*
  Department of Information and Communication Technology, SEUSL
- **Students Counsellor** *August 2024 - Present*
  Faculty of Technology, SEUSL
- **Web Committee Member** *February 2022 - January 2026*
  South Eastern University of Sri Lanka
- **Sports Advisory Board Member** *August 2022 - Present*
  Faculty of Technology, SEUSL

RESEARCH PUBLICATION - JOURNALS

[1] E. M. P. I. Roopasinghe and A. Mohamed Aslam Sujah (2026). **Identifying Employee Emotions based on Facial Expression Analysis in the IT Sector using Ensemble Learning Techniques**. *Journal of Science, Engineering Technology (JSET)*, Vol. 01, Issue - 01, [Accepted]

[2] E. M. P. I. Roopasinghe, A. Mohamed Aslam Sujah and R. K. A. R. Kariapper (2026). **Identifying Employee Emotions Based on Facial Expression Analysis in IT Sector using Ensemble Learning Techniques: A Systematic Literature Review**. *Sri Lankan Journal of Technology*, Vol. 07, Issue - Special 01, ISSN: 2773-6970

[3] A.D.N. Kumarasiri, K.K. Bawantha, M.H.A. Hafas, P.L.A.J. Liyanage, S.F. Asra, M.R.M. Hanan, and A. Mohamed Aslam Sujah (2026). **Internet of Things (IoT) Vulnerabilities: A Comprehensive Review**. *Journal of Information and Communication Technology*, Vol. 03, Issue - Special, ISSN: 2961-5992 [Accepted]

[4] S.L.M.D.A. Umayanga, A. Mohamed Aslam Sujah, R.K.A.R. Kariapper, and A.R.M. Zulfi (2025). **Elevating Education Assessment: Machine Learning Empowered Classification of University Exam Questions via Bloom's Taxonomy**. *Journal of Information and Communication Technology*, Vol. 03, Issue - 01, pp. 29-37. ISSN: 2961-5992

[5] A. F. Lufna, F. S. Ahamed, M. I. Abzan Begum, M. R. M. Hanan, and A. Mohamed Aslam Sujah (2025). **Threat Detection and Mitigation Techniques in Web Application Security: Systematic Review**. *Journal of Information and Communication Technology*, Vol. 03, Issue - 01, pp. 1-10. ISSN: 2961-5992

[6] R.M.N. Rathnayaka, A.M.A. Sujah (2025). **IoT-Driven Environmental Intelligence for Sustainable Tomorrow Through Advanced Machine Learning: A Systematic Literature Review**. *Journal of Information and Communication Technology*, Vol. 02, Issue - Special, pp. 39-46. ISSN: 2961-5992

[7] A. Mohamed Aslam Sujah, A. Fathima Sharfana, A. Mohamed Sazni (2022). **A Multi-label Classifier with Transfer Learning Model for Detecting Multiple Ocular Diseases in Fundus Images**. *Sri Lankan Journal of Technology*, Vol. 03, Issue - Special, pp. 25-31. ISSN: 2773-6970

[8] A.M.A. Sujah, R.M.K.T. Rathnayaka (2019). **Telecommunication Customer Categorization with Novel Data Mining Approach for Effective Communication and Increase Profitability**. *IOSR Journal of Computer Engineering*, Vol. 21, Issue 5, pp. 55-66. DOI: 10.9790/0661-2105015566

RESEARCH PUBLICATION - BOOK CHAPTERS

[1] A. Mohamed Aslam Sujah, Asanka P. Sayakkara, and H.B.P. Sandani (2026). **Enhancing Plant Disease Detection with Transfer Learning and Ensemble Techniques Based on Plant Families**. *Computer Vision and Robotics. CVR 2025. Lecture Notes in Networks and Systems, vol 1771. pp. 359–373. Springer, Cham. https://doi.org/10.1007/978-3-032-14041-8_29*

[2] Ameer Mohamed Aslam Sujah, Ahamed Rameez Mohamed Nizzad, Samsudeen Sabraz Nawaz, Abdul Cader Mohamed Nafrees, and et al. (2025). **CNN Based Novel Approach to Administer Non-proctored Online Examination**. *Congress on Smart Computing Technologies. CSCT 2024. Smart Innovation, Systems and Technologies, vol 122. pp. 785–798. Springer, Singapore. https://doi.org/10.1007/978-981-96-6250-0_54*

RESEARCH PUBLICATION - FULL PAPER IN NATIONAL/INTERNATIONAL CONFERENCES

[1] R.D. Swarnamali and A. Mohamed Aslam Sujah (2026). **Real-Time Yoga Posture Correction System Using Deep Learning**. In *International Conference on Artificial Intelligence in Multidisciplinary Applications (AIMDA 2026)*, 13-15 February 2026.

[2] G. Kajana and A. Mohamed Aslam Sujah (2026). **Development of an NLP-based Legal Act Recommendation System for Employee's Case Scenario Analysis in Sri Lanka**. In *International Conference on Artificial Intelligence in Multidisciplinary Applications (AIMDA 2026)*, 13-15 February 2026.

[3] M.F.F. Thahzeen and A. Mohamed Aslam Sujah (2026). **Sentiment Analysis of Tourist Feedback in Sri Lankan Tourism Using Machine Learning and Natural Language Processing**. In *International Conference on Artificial Intelligence in Multidisciplinary Applications (AIMDA 2026)*, 13-15 February 2026.

[4] K.D.O.B. Wickramanayake and A. Mohamed Aslam Sujah (2025). **Development of Smart Iot-Based Air Pollution Monitoring System with Real-Time Geofencing and Personalized Alerts**. In *International Research Conference of Sri Lanka Technology Campus (IRC 2025)*, 12-13 November 2025.

[5] M. Aarunee and A.M.A. Sujah (2025). **Automated Classification and Prediction of Cricket Bowling Actions using Machine Learning**. In *18th International Research Conference of General Sir John Kotelawala Defence University (KDU IRC 2025)*, 30 September 2025 - 01 October 2025.

[6] D.A.S. Dilhari and A.M.A. Sujah (2025). **Enhancing Cinnamon Leaf Disease Detection through Transfer Learning and Mobile Application for Real-time Agricultural Support**. In *18th International Research Conference of General Sir John Kotelawala Defence University (KDU IRC 2025)*, 30 September 2025 - 01 October 2025.

[7] J.M.N.M. Gunasekara, R.M.N. Rathnayaka and A.M.A. Sujah (2025). **Comparison of Different Machine Learning Models to Predict Type 2 Diabetes**. In *14th Annual International Research Conference (AiRC 2025)*, 18 June 2025, Faculty of Management and Commerce, SEUSL.

[8] J.A.I.H. Deshappriya and A.M.A. Sujah (2025). **Loan Application-based Loan Recommendation System using Artificial Intelligence**. In *14th Annual International Research Conference (AiRC 2025)*, 18 June 2025, Faculty of Management and Commerce, SEUSL.

[9] K.K.Y.M. Alawathugoda, M.S.S. Razeeth, M.V.D.P.D. Malawana, R.K.A.R. Kariapper, A.R.F. Shafana, and A.M.A. Sujah (2024). **Smart Student Record Book for University Education on the Sri Lanka Education System**. In *9th International Conference on Advances in Technology and Computing (ICATC 2024)*, pp. 43-48. IEEE. 19 December 2024, University of Kelaniya.

[10] D.A.S. Dilhari and A. Mohamed Aslam Sujah (2024). **Pioneering Disease Prediction in Cinnamon Leaves using Machine Learning: A Systematic Literature Review**. In *4th International Conference on Science and Technology 2024 (ICST 2024)*, pp. 146-154. Faculty of Technology, South Eastern University of Sri Lanka, Sri Lanka. 16 October 2024, SEUSL. ISBN: 978-955-627-028-0

[11] Abdul Cader Mohamed Nafrees, Ameer Mohamed Aslam Sujah and C.M.M. Mansoor (2021). **Smart Cities: Emerging technologies and Potential solutions to the Cyber security threads**. In *5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT)*, pp. 220-228. IEEE. 10-11 December 2021, Mysuru, India. DOI: 10.1109/ICEEC-COT52851.2021.9707994

RESEARCH PUBLICATION - ABSTRACT/EXTENDED ABSTRACT IN NATIONAL/INTERNATIONAL CONFERENCES

[1] K.K.J. Udeshika, M.H.J.P. Gunarathna, A.M.A. Sujah, and K.G.S. Nirmanee (2024). **Application of GIS and remote sensing techniques in identifying artificial groundwater recharging zones in Ampara District in Sri Lanka**. In *8th International Research Conference of Uva Wellassa University (IRCUWU 2024)*, pp. 188. 24-25 July 2024, Uva Wellassa University, Badulla, Sri Lanka. ISBN: 978-624-5856-91-6

[2] A.M.A. Sujah, and R.M.K.T. Rathnayaka (2019). **Machine Learning Approach for Customer Categorization using Data Mining to Increase Profitability**. In *7th International Conference of Sabaragamuwa University of Sri Lanka (ICSUSL)*, 14 November 2019, Sabaragamuwa University of Sri Lanka.

RESEARCH SUPERVISION - ONGOING

[1] **G. Kajana, "Development of Natural Language Processing based Legal Act Recommendation System for Different Case Scenario Analysis in Sri Lanka."**

[2] **P.T. Anjalee, "Environmental Factor Forecasting with Multivariate Time Series Analysis."**

[3] **M.F.F. Thahzeen, "Sentiment Analysis of Tourist Feedback using Machine Learning and Natural Language Processing."**

[4] **K.D. Lakmal Prasanna, "Enhance Sinhala character recognition using hybrid models."**

[5] **R.D. Swarnamali, "Real-time Yoga posture correction system using Deep Learning."**

[6] **G.M. Ishadi, "Natural Language Processing based UGC Circular Recommendation System for Case Scenario Analysis in Sri Lanka."**

RESEARCH SUPERVISION - COMPLETED

[1] S.L.M.D.A. Umayanga, "Elevating education assessment: machine learning empowered classification of university exam questions via Bloom's Taxonomy."

[2] E.M.P.I. Roopasinghe, "Identifying employee emotions based on facial expression analysis in IT sector using ensemble learning techniques."

[3] D.A.S. Dilhari, "Pioneering disease prediction in Cinnamon leaves using machine learning."

[4] J.A.I.H. Deshappriya, "Loan Application based loan recommendation system using artificial intelligence."

[5] R.M. Nayanajith Rathnayaka, "IOT driven environmental intelligence for sustainable tomorrow through advanced Machine Learning."

[6] K.D.O.B. Wickramanayake, "Development of a smart IOT based air pollution monitoring system with real-time Geofencing and personalized alerts."

[7] M. Aarunee, "Machine Learning enabling next-gen prediction of Cricket bowling movements."

[8] J.M. Nipun Madhusankha Gunasekara, "Comparison of different Machine Learning models to predict type 2 diabetes."

[9] M.L. Jayaweera, "Artificial Neural Network based tourist place recommendation with their interests."

[10] L.W. Roshana Erandika, "Deep Learning based Sinhala handwritten character recognition system."

[11] W.K. Dilusha Randika Lakshan, "Deep Learning based road sign board identification in Sri Lanka."

[12] A. Jude, "Twitter message based sentiment analysis of Sri Lankan users."

HONORS AND AWARDS

- **ITEC Grant - Government of India** *10 - 23 September 2025*
  Indian Technical and Economic Cooperation (ITEC) Grant of the Government of India.
  ◦ Centre for Development of Advanced Computing (CDAC), Noida, India.
  ◦ Specialized Programme on Machine Learning.

- **Best Paper - KDU IRC 2025** *30 September 2025 - 01 October 2025*
  General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka.
  ◦ 18th International Research Conference of General Sir John Kotelawala Defence University.
  ◦ Automated Classification and Prediction of Cricket Bowling Actions using Machine Learning.

- **Best Paper Presenter - ICEECCOT 2021** *December 2021*
  GSSS Institute of Engineering & Technology, Mysuru, India.
  ◦ 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques
  ◦ Smart Cities: Emerging technologies and Potential solutions to the Cyber security threads.

CONFERENCE ROLES AND RESPONSIBILITIES

- **Track Coordinator - Data Science and Artificial Intelligence** *16th October 2024*
  4th International Conference on Science and Technology (ICST 2024) [🌐]

- **Track Coordinator - Computing and Information Systems** *16th October 2024*
  4th International Conference on Science and Technology (ICST 2024) [🌐]

- **Editorial Board Member** *16th October 2024*
  4th International Conference on Science and Technology (ICST 2024) [🌐]

- **Track Coordinator - Software Technologies** *24th August 2022*
  2nd International Conference on Science and Technology (ICST 2022) [🌐]

Reviewer - Journals and Conferences

- **5th International Conference on Advanced Research in Computing (ICARC 2025)** *2025*
  Faculty of Computing, Sabaragamuwa University of Sri Lanka [⊕]

- **4th International Conference on Computer Vision and Robotics (CVR 2024)** *2024*
  Symbiosis Skills and Professional University, Pune [⊕]

- **5th International Conference on Data Science and Applications (ICDSA 2024)** *2024*
  Malaviya National Institute of Technology Jaipur, India [⊕]

- **5th International Conference on Computational Intelligence (ICCI 2024)** *2024*
  Sardar Vallabhbhai National Institute of Technology, Surat, India [⊕]

- **6th International Conference on Communication and Intelligent Systems (ICCIS 2024)** *2024*
  Maulana Azad National Institute of Technology, Bhopal, India [⊕]

- **4th International Conference on Advanced Research in Computing (ICARC 2024)** *2024*
  Faculty of Computing, Sabaragamuwa University of Sri Lanka [⊕]

- **International Conference on Information Technology and Intelligence (ITI 2024)** *2024*
  Dr. B. R. Ambedkar Institute of Technology, Andaman & Nicobar [⊕]

- **4th International Conference on Paradigms of Communication, Computing and Data Analytics** *2024*
  Pt. Lalit Mohan Sharma Campus, Rishikesh, Sri Dev Suman Uttarakhand University, Uttarakhand, India [⊕]

- **8th International Research Conference (IRCUWU 2024)** *2024*
  Uva Wellassa University of Sri Lanka [⊕]

- **5th Congress on Intelligent Systems (CIS 2024)** *2024*
  CHRIST (Deemed to be University), Bengaluru and Liverpool Hope University, U.K [⊕]

- **2nd Congress on Control, Robotics, and Mechatronics (CRM2024)** *2024*
  SR University, Warangal, India [⊕]

- **3rd 2024 IEEE World Conference on Applied Intelligence and Computing (AIC 2024)** *2024*
  Hotel Ramaya, Gwalior, M. P. - India [⊕]

- **2nd International Conference on Artificial Intelligence: Theory and Applications (AITA 2024)** *2024*
  IBS, Bangalore, Off-Campus Center of IFHE University [⊕]

- **International Conference on Business Intelligence and Data Analytics (BIDA 2024)** *2024*
  RV Institute of Management (RVIM), Bangalore, India [⊕]

- **4th International Conference on Science and Technology (ICST 2024)** *2024*
  Faculty of Technology, South Eastern University of Sri Lanka, Oluvil, Sri Lanka [⊕]

- **3rd International Conference on Advances in Data-driven Computing and Intelligent Systems** *2024*
  BITS Pilani, K K Birla Goa Campus, India [⊕]

- **1st Insight International Research Conference (IIRC 2024)** *2024*
  Insight Institute of Management and Technology, Sri Lanka. [⊕]

- **Computing Undergraduate Research Symposium (ComURS 2024)** *2024*
  Faculty of Computing, Sabaragamuwa University of Sri Lanka [⊕]

- **2023 IEEE World Conference on Applied Intelligence and Computing (AIC 2023)** *2023*
  Rajkiya Engineering College, Sonbhadra & Ashoka Institute of Technology & Management, Varanasi, India. [⊕]

- **5th International Conference on Communication and Intelligent Systems (ICCIS 2023)** *2023*
  Malaviya National Institute of Technology, Jaipur, India [⊕]

- **3rd International Conference on Intelligent Vision and Computing (ICIVC 2023)** *2023*
  National Institute of Technology Agartala [⊕]

- **3rd International Conference on Advanced Research in Computing (ICARC 2023)** *2023*
  Faculty of Computing, Sabaragamuwa University of Sri Lanka [⊕]

- **5th International Conference on Sustainable and Innovative Solutions (ICSISCET 2023)** *2023*
  Madhav Institute of Technology & Science, Gwalior, India [⊕]

- **Congress on Smart Computing Technologies (CSCT 2023)** *2023*
  SAU Center for Research and Innovative Learning (SCRIL) and South Asian University, India [⊕]

- **2nd International Conference on Advances in Data-driven Computing and Intelligent Systems** *2023*
  BITS Pilani, K K Birla Goa Campus, India [🌐]
- **2022 IEEE World Conference on Applied Intelligence and Computing (AIC 2022)** *2022*
  Rajkiya Engineering College, Sonbhadra, India [🌐]
- **International Conference on Advances in Data-driven Computing and Intelligent Systems** *2022*
  BITS Pilani, K K Birla Goa Campus, India [🌐]
- **2nd International Conference on Science and Technology (ICST 2022)** *2022*
  Faculty of Technology, South Eastern University of Sri Lanka, Oluvil, Sri Lanka [🌐]

PROFESSIONAL MEMBERSHIPS

- **Sri Lanka Association for Artificial Intelligence (SLAAI)** *January 2026 - Present*
  Membership ID: 7E9002/25/12/A
- **Institute of Electrical and Electronics Engineers (IEEE)** *January 2025 - Present*
  Membership ID: 98167117
- **Soft Computing Research Society (SCRS) - India** *February 2025 - Present*
  Membership ID: 2025-02-11-5342
- **Sri Lanka Association for the Advancement of Science (SLAAS)** *Lifetime Member*
  Section E3 – Computer Sciences   Membership ID: 12418/E3
- **National Science Foundation (NSF) - Sri Lanka** *Lifetime Member*
  Membership ID: NSF/STMIS/010203
- **Computer Society of Sri Lanka (CSSL)** *March 2020 - Present*
  Membership ID: A744

CERTIFICATIONS

- **AWS Academy Certified Educator** *January 2026*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **AWS Certified AI Practitioner** *December 2025*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **AWS Certified Cloud Practitioner** *July 2025*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **Microsoft Certified: Azure Fundamentals (AZ-900)** *May 2025*
  Certifying Body: Microsoft
- **AWS Educate Machine Learning Foundations** *March 2025*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **AWS Educate Introduction to Generative AI** *February 2025*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **AWS Academy Graduate - AWS Academy Cloud Foundations** *February 2025*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **AWS Academy Educator** *August 2024*
  Certifying Body: Amazon Web Services (AWS) Training and Certification
- **3D Printing (CEZERI Studio) Usage and Application Training** *June 2024*
  Certifying Body: Turkish Cooperation and Coordination Agency (TIKA)
- **Induction Programme for Academic Staff** *August 2022*
  Certifying Body: Staff Development Centre (SDC), SEUSL
- **Java Programming** *June 2016*
  Certifying Body: Sri Lanka Institute of Information Technology (SLIIT)

UNDERGRADUATE TEACHING

[1]   **CIS 31022:** Data Mining and Machine Learning

[2]   **CIS 31041:** Data Mining Practical with Python and Weka Tool

[3]   **SWT 41021:** Cloud Application Development

[4]   **SWT 41042:** Cloud Application Development Practical (Microsoft Azure and Amazon Web Services)

[5]   **CIS 41012:** Data Analytics and Business Intelligence

[6]   **CMS 11012:** Mathematics for ICT

[7]   **NST 32042:** Information Systems Security

[8]   **CIS 22022:** Information Assurance and Forensics

[9]   **SWT 32051:** Service Oriented Web Application Practical

[10]   **PDE 11011:** Basic Mathematics (Visiting Lecture)

REFERENCES

1. **Prof. (Dr.) R.M.K.T. Rathnayaka**
   Professor, Department of Physical Sciences and Technology
   Sabaragamuwa University of Sri Lanka
   Email: kapila.tr@gmail.com
   Phone: +94 071 632 4516
   Link: [https://www.sab.ac.lk/staff-directory/117]

2. **Dr. Asanka P. Sayakkara**
   Senior Lecturer, University of Colombo School of Computing (UCSC)
   University of Colombo
   Email: asa@ucsc.cmb.ac.lk
   Phone: +94 070 369 5463
   Link: [https://www.asayakkara.org/index.html]

3. **Mr. R.K. Ahmadh Rifai Kariapper**
   Head of the Department, Department of Information and Communication Technology
   South Eastern University of Sri Lanka
   Email: rk@seu.ac.lk
   Phone: +94 076 012 3621
   Link: [https://www.seu.ac.lk/ft/]