Al-Amain

Internship at AIMS Lab

Seeking AI Development Position

Google Scholar profile

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Personal Statement

I am Al-AMAIN, a graduate with a Bachelor of Science in Computer Science and Engineering, I am deeply passionate about research in **Artificial Intelligence**, with a focus on **Deep Learning**, **Machine Learning** and, Natural Language Processing. I have successfully published **15** research papers in esteemed platforms such as **IEEE** and **Springer** in my undergraduate journey. My academic journey is driven by a fascination with the intersection of logic, creativity, and technology, particularly in **AI**. While my favorite programming language is **Python** and **C**, I frequently work with Python for its versatility in AI and data-driven tasks. I am continually exploring new ways to apply my skills and contribute to cutting-edge research and innovation in the AI field.

Education

- **Bachelor of Science (BSc) in Computer Science and Engineering   2021- July(2025)**
  Southeast University
  Grade: 3.80/4.00 CGPA

Skills

- **Proficient in problem solving**

- **Strong leadership & communication abilities (*Vice Chair (2024-ongoing)* of *Southeast University IEEE Student department*)**

- **Good knowledge in Research**

Research Background

- **Research Papers**

  1. Title: **A Data-Centric Approach to Detect Lung Cancer Using Diverse Machine Learning Algorithms**

  Conference: MIET 2024

  Publisher: **Springer**

  MIET 2024 Proceedings will be published in Lecture Notes in Networks and Systems (LNNS). This series is indexed in DBLP, EI Compendex, INSPEC, SCImago, and Scopus.

  2. Title: **Enhancing Bengali Sentiment Analysis: An Insightful Study of Bengali and English VADER**

  Conference: MIET 2024

  Publisher: **Springer**

  MIET 2024 Proceedings will be published in Lecture Notes in Networks and Systems (LNNS). This series is indexed in DBLP, EI Compendex, INSPEC, SCImago, and Scopus.

  3. Title: **Unleashing Machine Learning for Hepatitis C Prediction: A Holistic Exploration of Clinical Insights**

  Conference: COMPAS 2024.

  Publisher: **IEEE**

  The presented paper will be considered for possible inclusion in the IEEE Xplore digital library and indexed by Scopus and other indexing services.

  4. Title: **Enhanced Parkinson's Disease Prediction Using Feature Selection, SMOTE, and Machine Learning with Deep Learning Models**

  Conference: ICCIT 2024

  Publisher: **IEEE**

  Indexing: **SCOPUS**

  5. Title: **A Data-Centric Method to Identify Lung Cancer Using a Variety of Machine Learning Approaches**

  Conference: ECCE 2025

  Publisher: **IEEE**

  Indexing: **SCOPUS**

  6. Title: **Predictive Insights Beyond Boundaries: Integrating Clinical Data for Hepatitis C Forecasting Using Machine Learning and Deep Learning**

  Conference: ECCE 2025

  Publisher: **IEEE**

  Indexing: **SCOPUS**

7. Title: **Heart Disease Prediction Using Machine Learning and Ensemble Models: A Comprehensive Analysis**

Conference: ECCE 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

8. Title: **An Integrated Approach Using Ensemble Machine Learning and Deep Learning for Loan Approval Prediction**

Conference: ECCE 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

9. Title: **Balanced vs. Imbalanced Data in Parkinson's Disease Detection: A Machine Learning, Ensemble Machine Learning and Deep Learning Perspective Using SMOTE Based on Clinical Data**

Conference: ECCE 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

10. Title: **Comprehensive Predictive Insights: Leveraging Clinical Data for Hepatitis C Prediction with Machine Learning and Deep Learning**

Conference: International Conference on Data Science, AI and Applications

Publisher: **Springer**

Indexing: **SCOPUS**

11. Title: **Preprocessed Lung Data Evaluation Using SVM for Superior Cancer Diagnosis**

Conference: International Conference on Data Science, AI and Applications

Publisher: **Springer**

Indexing: **SCOPUS**

12. Title: **An Intelligent Bin with Sensor Integration and Ensemble Machine Learning-Based Fill Prediction**

Conference: International Conference on Data Science, AI and Applications

Publisher: **Springer**

Indexing: **SCOPUS**

13. Title: **Ovarian Cancer Detection Using Feature Selection and Hybrid Resampling with Traditional Machine Learning Models**

Conference: 16th ICCCNT 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

14. Title: **Leveraging Multi-Algorithmic Feature Selection and Ensemble Machine Learning for Accurate Detection of Polycystic Ovarian Syndrome**

Conference: 16th ICCCNT 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

15. Title: **Enhancing Asthma Detection Through Optimized Data Preprocessing and Ensemble Learning: A Comparative Study of ML Classifiers**

Conference: 16th ICCCNT 2025

Publisher: **IEEE**

Indexing: **SCOPUS**

Other Information

Accepted Paper count	15
Under Review	4
Ongoing Project	Creating 2 datasets
Programming language	Python , C
Tools Used	Google Colab , Anaconda
IEEE membership ID	100342275 (Bangladesh Section) & *Vice Chair at SEU IEEE student Branch*.
IEEE Computer Society Branch Chapter	*Chairperson(2025-2026)*

Languages

- **English   (Fluent)**
- **Bangla   (Fluent)**

Hobbies & Interests

- Reading Book
- Gardening
- Finding real world problem

Recommendation:

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