

# Md. Shahidul Salim

📍 CSE, KUET, Khulna, Bangladesh

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🌐 <https://github.com/shahidul034>

🌐 <https://huggingface.co/shahidul034>

🌐 <https://shahidul034.github.io/My-portfolio-website/>

🌐 <https://www.linkedin.com/in/shahidulshakib034/>

## Job Experience

July 2022 – Present

📌 **Lecturer**, Department of CSE, Khulna University of Engineering & Technology (KUET), Bangladesh

April 2021 – March 2022

📌 **Lecturer**, Department of CSE, Uttara University, Bangladesh

## Education

2016 – 2021

📌 **B.Sc. in Computer Science and Engineering**, Khulna University of Engineering & Technology (KUET), Bangladesh  
– CGPA 3.86 out of 4.00 (4th position in my department)

## Research Publications

### Journal Articles

- 1 Ashiquissalehin, M., Jahan, K. N., Rahaman, M. A., & Salim, M. S. (2022). Human abnormal behavior detection using convolution neural network. *Specialusis Ugdymas*, 1(43), 4076–4083.

### Conference Proceedings

- 1 Haque Promi, R. T., Akter Nazri, R., Salim, M. S., & Uddin Raju, S. M. T. (2023). A deep learning approach for non-invasive hypertension classification from ppg signal. In *Proceedings of the 2023 international conference on next-generation computing, iot and machine learning (ncim)*. (Accepted).
- 2 Hossain, L., Hossain, I., Salim, M. S., Raju, S. M. T. U., & Saha, J. (2023). A novel technique for classification of motor imagery eeg signal based on deep learning approaches. In *Proceedings of the 2nd international conference on big data, iot and machine learning (bim 2023)*. (Accepted).
- 3 Ahmed, T., Hossain, S., Salim, M. S., Anjum, A., & Azharul Hasan, K. M. (2021). Gold dataset for the evaluation of bangla stemmer. In *2021 5th international conference on electrical information and communication technology (eict)* (pp. 1–6). doi:10.1109/EICT54103.2021.9733662
- 4 Salim Shakib, M. S., Ahmed, T., & Azharul Hasan, K. M. (2019). Designing a bangla stemmer using rule based approach. In *2019 international conference on bangla speech and language processing (icbslp)* (pp. 1–4). doi:10.1109/ICBSLP47725.2019.201533

## Ongoing Research and Thesis Supervision

### Under Review

- 📌 An Applied Statistics Dataset for Human vs AI-Generated Answer Classification
- 📌 Bangla Emergency Post Classification on Social Media using Transformer-Based BERT models
- 📌 Bi-LSTM Based Weather Forecasting Model for Helping the Bangladeshi Farmers
- 📌 BanglaGPT: A Generative Pretrained Transformer-based Model for Bangla Language
- 📌 Towards Developing a Transformer-based Bangla Typing Error Correction Model: A Deep Learning-based Approach
- 📌 Automated AI Classifier for Enhancing Student Assignment Assessment: A Novel Approach to Educational Evaluation

## Ongoing Research and Thesis Supervision (continued)

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### Ongoing Research

- A transducer-based Bangla stemmer using Bangla lexicon
- Automatic Text Summarization in Bengali: A Study on the Effectiveness of the mT5 Transformer Model
- Correction of Bangla sentences with Guruchondali Dosh

### Thesis Supervision

- Towards Developing a Transformer-based Bangla Typing Error Correction Model: A Deep Learning-based Approach
- Automatic Text Summarization in Bengali: A Study on the Effectiveness of the mT5 Transformer Model
- Correction of Bangla sentences with Guruchondali Dosh
- KUET chatbot by checking semantic similarity

## Awards and Projects

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### Awards

- Dean's Award by Faculty of Electrical & Electronic Engineering (1st year, 2nd year, 3rd year, 4th year)
- Vocational Scholarship from Khulna University of Engineering & Technology (2016-2020)
- 3rd Prize in Poster representation, KUET (2019)

### Projects

- **KUET Chat Bot** - Information about KUET.  
– Students can chat with the bot and get information about KUET.
- **Efficient Backlog Routine Generator** - Building with Python and Flask for Streamlined Task Management
- **Secure File Locker** - Implementing RSA Encryption Algorithm with Python and Flask for Data Protection
- **Daily Expense Management on iOS** - A User-Centric Mobile Application for Efficient Financial Tracking
- **Anonymity-Preserving Post Web Application** - Implementing Python and Flask for Secure and Confidential Content Sharing
- **Windmill Simulation** - A Computer Graphics Project Implemented in C++
- **Booklist** - A Mobile Application for Academic Booklists at Khulna University of Engineering & Technology (KUET) across Various Departments with PDF Links to the Books
- **Statistics exam** - Design and Implementation of a Statistics Exam Generation System for Students using Python and Flask with Randomized Data Generation
- **Smart Home Automation with IoT** - Integrating NodeMCU (ESP8266) with Python and Flask
- **Counterfeit note detection** - Fake Bangladeshi Banknote Detection using Convolutional Neural Networks (CNN)
- **Counterfeit note detection** - Fake Bangladeshi Banknote Detection using Convolutional Neural Networks (CNN)
- **Brain Tumor Detection using Convolutional Neural Networks (CNN)** - An AI-based Approach for Accurate Diagnosis
- **Fake Bangladeshi Currency Detection** - A Comparative Analysis using OpenCV and MATLAB
- **Building a Social Media Website** - Harnessing HTML, CSS, JavaScript, ASP.NET, and C# for Dynamic Online Interaction

## Online courses

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- Natural language processing (NLP) using libraries from the Hugging Face ecosystem  
– Transformers, Datasets, Tokenizers, Accelerate and Hugging Face Hub
- LangChain- Develop LLM powered applications with LangChain
- Supervised Machine Learning: Regression and Classification
- NLP - Natural Language Processing with Python

## Online courses (continued)

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- 📖 Hands-On Natural Language Processing (NLP) using Python
- 📖 Probability and Statistics for Business and Data Science

## Miscellaneous Experiences

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### Internship

- 2019    📖 Workshop on iOS at Nascenia.

### Voluntary Experience

- 2017-2019    📖 Dream (Voluntary Blood Donation Society of KUET).  
2018    📖 Volunteer in Bitfest 2019 arranged by CSE association.

## Technical Skills

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### Programming Languages

- |          |            |
|----------|------------|
| 📖 Python | HTML       |
| C        | CSS        |
| C++      | LaTeX      |
| Java     | Javascript |

### Python Frameworks

- |                |             |
|----------------|-------------|
| 📖 Scikit-learn | Pytorch     |
| Tensorflow     | Matplotlib  |
| Keras          | Transformer |

### Modern AI

- 📖 Natural Language Processing
- Machine Learning
- Deep Learning
- Data Analysis
- Data Visualization