

MD SHAHRIAR SAJID

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Education

B.Sc. in Engineering | Electrical & Computer Engineering
Rajshahi University of Engineering & Technology

Rajshahi, Bangladesh
Feb 2019 - May 2024

Thesis: Ensemble of Convolutional Neural Networks for Stroke Prediction: Towards Improved Diagnostic Accuracy

Research Interest

Model Optimization • Time Series Analysis & Forecasting • Computer Vision • Privacy Preserving ML

Research Experience

Research Assistant

Aug 2025 - Present

Transparent Intelligence Lab

PI: Md Nahiduzzaman, Assistant Professor, Department of ECE, RUET

Research Focus: Computer Vision, Medical Imaging and Concept Bottleneck Model

Experience

European University of Bangladesh

Dhaka, Bangladesh

Full-time Lecturer - Department of Computer Science and Engineering

Jan 2025 - Present

Publications

Conference Papers

- Md. Tanzib Hosain, Asif Zaman, **Md. Shahriar Sajid**, Shadman Sakeeb Khan, Shanjida Akter, "Privacy Preserving Machine Learning Model Personalization through Federated Personalized Learning," *4th International Conference on Data Analytics for Business and Industry (ICDABI)*, Bahrain, 2023. **DOI: 10.1109/ICDABI60145.2023.10629638**
- **Md. Shahriar Sajid**, Abhijit Kumar Ghosh, Fariha Nusrat, "PaperNet: Efficient Temporal Convolutions and Channel Residual Attention for EEG Epilepsy Detection," *International Conference on Intelligent Data Analysis and Applications (IDAA 2025)*. **DOI: 10.48550/arXiv.2512.22172**

Work in progress

- "Artifact Removal in Cross-Subject EEG Locomotion Decoding: A Comparison of Classical and Deep Learning Models," *Working Paper*.
- "Knowledge Distillation from Multimodal EEG-EMG Teacher to EEG-Only Student for Pre-Movement Intention Detection," *Working Paper*.

Supervised Theses

- Sheikh Mehedi Hasan, Sumaiya Binte Hossain, Jannat-E-Nur, Sohada Akter Riya, **Md. Shahriar Sajid**, "Real-Time Traffic Sign Detection Using CNN: A Bangladesh-Oriented Approach"
- Abdullah Al Azme, Neyamot Ullah, **Md. Shahriar Sajid**, "Impacts of COVID-19 Vaccines among Bangladeshi Adults: Facts, Insights, and Findings"

Standardized Test Scores

IELTS: 7.5 (Speaking: 7.0, Writing: 7.0, Reading: 7.5, Listening: 8.0)

Skills

Programming: Python, C, C++, Dart, Bash, MySQL

Machine Learning: PyTorch, TensorFlow, Scikit-learn, OpenCV

Tools & Platforms: Git, GitHub Actions, CircleCI, Drone CI, Linux, AOSP

Other: YML, LaTeX

Soft Skills: Team Leadership, Project Management, Technical Documentation, Collaborative Teaching, Presentation Skills

Awards and Scholarships

- **Merit-based university stipends** received annually during undergraduate program.
- **Accomplished Competitor** in the international **University Physics Competition**, 2023.
- Contributed to Open Source Projects at **Hacktoberfest 2021 - 2025** using GitHub ID: [sajidshahriar72543](#)

Leadership and Volunteering

European University of Bangladesh - Programming Club

Apr 2025 - Present

Voluntary Project - Chief Mentor and Moderator

Aims to develop the flavor of competitive programming among the students of European University of Bangladesh where I mentor over 50 students.

aosPB-Project

[Website](#) 

Personal Project - Founder and Lead Developer

Oct 2024 - Present

aosPB Project is an Google released Vanilla AOSP based **Custom Android Firmware** developed for multiple Android-based hardware platforms.