

# MD SHAHRIAR SAJID

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## Education

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**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

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

## Research Experience

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**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

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**European University of Bangladesh**

Dhaka, Bangladesh

*Full-time Lecturer - Department of Computer Science and Engineering*

Jan 2025 - Present

## Publications

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### 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](https://doi.org/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](https://doi.org/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

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

## Skills

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**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

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- **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

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**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.