

Nabila Bilkis Shova

📍 Oriental Hoqdale, Motijheel, Dhaka, Bangladesh ✉ shovanabila@gmail.com ☎ (880) 1688-263892
🏠 nabilashova.github.io/portfolio in linkedin.com/in/nabila-b-shova

Highlights

- Software Engineer with five years of experience at [Samsung Electronics](#) [🔗](#)
- Expertise in machine learning, data analytics, and software development
- Full-stack developer with strong analytical and problem-solving skills
- Hands-on experience in applying advanced algorithms to optimize efficiency and system performance
- Skilled in leading teams, managing projects, and driving organizational success
- Strong presentation and communication skills, developed as a Teaching Assistant & Project Coordinator
- Passionate about innovation and creating intelligent, data-driven solutions

Education

East West University, Dhaka, Bangladesh Sep. 2022 – Oct. 2023
Master of Science in Computer Science & Engineering

- CGPA: 3.69/4.00
- **Thesis: Autism Detection Analysis with State-of-the-Art ML Models and Explainable AI**

East West University, Dhaka, Bangladesh Jan. 2015 – May 2019
Bachelor of Science in Computer Science & Engineering

- CGPA: 3.74/4.00
- **Thesis: Optimized Localization of Underwater Wireless Sensors Using Differential Evolution Algorithm**

Viqarunnisa Noon School & College, Dhaka, Bangladesh Jun. 2012 – Aug. 2014
Higher Secondary School Certificate, Science Group

- GPA: 5.00/5.00

Secondary School Certificate, Science Group Jan. 2002 – May 2012

- GPA: 5.00/5.00

Professional Experience

Software Engineer Dhaka, Bangladesh
Samsung R&D Institute Bangladesh, R&D Project Management Jan. 2020 – Ongoing

- Collaborated with cross-functional teams to develop innovative solutions for **Samsung SmartThings, Samsung Health, Galaxy Wearables, and DeX on PC.**
- Design & develop advanced web applications using **Laravel, CodeIgniter, PHP, JavaScript & MySQL.**
- Build prototypes with efficient **database & UI design** and query optimization for cost-effective solutions.
- Data analysis with **ML models** and graphical interface design for engaging & effective data visualization.
- Continuous integration, cross-site scripting (XSS) and troubleshoot critical issues for system security and performance optimization.

Full-time Intern Dhaka, Bangladesh
Samsung R&D Institute Bangladesh, R&D Project Management July 2019 – Dec. 2019

- Database design, Middleware design and maintenance support for automation tools.
- Design & implement attractive UI and prepare project documentation.

Teaching Assistant Dhaka, Bangladesh
East West University May 2017 – June 2019

- Assisted in course material preparation, mentoring students, and conducting lab sessions.

- Graded assignments, provided feedbacks, and helped students understand complex concepts.
- Conducted office hours to support students with coursework and problem-solving.

Publications

N. B. Shova and S. H. Ripon, "Autism Detection: A Comprehensive Analysis with Machine Learning Models and Explainable AI" [Ready to submit in IEEE Access]

N. B. Shova and S. M. A. Huda, "Stress Level Detection from Wearable Devices Using Deep Learning and Machine Learning Techniques" [Under Preparation]

Technical Skills

Programming Languages: PHP, JavaScript, AJAX, jQuery, HTML, CSS, C++, Python, R

Web Development: Laravel (MVC), CodeIgniter, WordPress, MySQL, MongoDB, Git/GitHub, Agile, Scrum

Data Analytics & Visualization: SQL, Database Administration, Power BI, Tableau, Pandas, NumPy, Matplotlib, Seaborn

AI and Machine Learning: TensorFlow, Scikit-learn, Explainable AI (XAI – SHAP, LIME), Feature Engineering, Model Interpretability

Others: Linux, Docker (Basic)

Problem Solving Profile

Solved 300+ problems across all platforms.

LeetCode: [shova231](#) 

HackerRank: [nabilashova](#) 

UVA Online Judge: [Nabila Shova](#) 

Awards and Achievements


- **100% Merit Scholarship** for 4 years in B Sc. in Computer Science & Engineering, awarded by East West University, Dhaka, Bangladesh.
- **4th Place Award** in Beginner & Intermediate level programming contest, Spring 2015, organized by the East West University Computer Programming Club (EWUCoPC).
- **SRBD Icon of the Month Award (Oct. 2020, Aug. 2024):** Awarded for outstanding contributions to ongoing projects of Samsung R&D Institute Bangladesh.
- **Recognition of Excellence Award (July - Dec. 2024):** Team award for contribution in yearly milestones achievement of Samsung R&D Institute Bangladesh.

Volunteer Experience

Event Organizer, Course Instructor

Aug. 2019 – Ongoing

Junior Software Academy, Samsung R&D Institute Bangladesh

- Organize [Junior Software Academy \(JSA\) program](#)  twice every year for underprivileged children of NGO, as part of the CSR activities of Samsung R&D Institute Bangladesh.
- Conduct classes on basic IT training: Math, Programming [C Language], Graphic Design, Microsoft Office etc.

Extra-Curricular Activities

Senior Executive

Jan. 2015 – June 2019

East West University Computer Programming Club

- Represented the student body at departmental meetings and events.
- Organized four intra-university programming contests.
- Conducted training camps for undergraduate students to enhance their problem solving skills.

Coordinator of Dance Floor

Jan. 2017 – Apr. 2019

East West University Club for Performing Arts

- Performed classical and freestyle dance in multiple cultural events.