Nabila Bilkis Shova

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Highlights

- Strong academic foundation in Computer Science and Engineering
- 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

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

- CGPA: 3.74/4.00

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

- GPA: 5.00/5.00

Viqarunnisa Noon School & College, Dhaka, Bangladesh   *Jan. 2002 – May 2012*
Secondary School Certificate, Science Group

- GPA: 5.00/5.00

Professional Experience

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

- 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 **Algorithm** 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.