Dia Nur Sehba

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SKILLS

Languages: Python, C, JavaScript, SQL
Frontend: HTML, CSS, Vue, React
Backend: Flask, PHP (Laravel)
ML & Analytics: Pandas, NumPy, Scikit-learn, CNN/GNN, XGBoost, Feature Engineering, Data Visualization, Excel
Miscellaneous: OpenGL-based applications, Arcade, Power BI (basic familiarity), Arduino, OpenRefine, Web3

WORK EXPERIENCE

Ogopogo Studio, Banani, Dhaka August 2026 - Present
R&D and Game Design Intern

- Debugged, tested, and implemented new features for the studio's workspace.
- Worked closely with the Game Design team to test, document and research the development process. Co-designed levels using Unity engine.
- Integrated three core tools into one login-based workspace and added attendance syncing, real-time messaging, task alerts, and a collaborative moodboard to streamline production, achieving a 25% reduction in production time.

Ledgercross, Gulshan, Dhaka February 2026–April 2026
Software Developer Intern

- Developed interactive UI for blockchain-based solutions with a strong focus on user experience.
- Designed and built a zero-knowledge dashboard, delivering a working interface from design to implementation.

LEADERSHIP AND INVOLVEMENTS

Team Anirban 2024–Present
Co-Founder

- Organized charity event promoting art and social causes and raised $2000 for a cancer patient in just 48 hours.
- Organized, managed and hosted cancer awareness seminars, bringing together a community of more than 1500 people.

Social Impact Lab (SIL)
Collaborator

- Planned and executed a meaningful social impact project in collaboration with OCSAR (Office of Career Service and Alumni Relations), Peace Cafe, and the BRACU Response Team.

BracU Express
Writer

- Published front-page feature articles, web articles, and write-ups as an active contributor.

PROJECTS

Re-Shaaj (Full-Stack Developer)

- Developed a complete web application for a thrift store.
- github: znix17/Re-Shaaj

Paranoia (Team Project, Co-developer)

- Built an OpenGL based 3D LAN multiplayer game.
- Designed visuals, handled animations, debugging, and testing.
  github: prantooshhh/Paranoia

LifeSync (Full-Stack Developer)

- Developed a lifestyle and daily journal app using Laravel framework.
  github: znix17/CSE470-Project

AI and ML Projects
Postpartum Depression Prediction System

- Built a machine learning system to predict postpartum depression risk using data from more than 800 patients.
- Integrated predictors spanning demographic factors, household income, literacy, financial status and other variables.
- Handled the datasets and the data pre-processing pipeline, preparing the data for model training and evaluation.

Production Delivery Timeline Prediction System

- Developed a machine learning system to predict production delivery timelines.

EDUCATION

BSc. in Computer Science 2023–2027
Brac University
Relevant Courses and Certifications
Database Systems, Digital Logic Design, Quantum Computing, Pattern Recognition, Software Engineering, Artificial Intelligence, Computer Networks.

REFERENCES

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