

ANIMESH BHATTACHARJEE

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📍 Merul Badda, Dhaka

PROFILE

I am a Computer Science student at BRAC University, passionate about AI, machine learning, and development. I worked as a QA Manager at Nyntax, focusing on improving user experience. My teaching experience has strengthened my ability to explain complex ideas. Currently, I am working on my thesis in lip reading while also developing web applications. I am always eager to learn and grow.

STRENGTHS AND EXPERTISE

Development: Django, React, Flask

Design: Figma, Illustrator, Photoshop

Database Management: MySQL, MongoDB

Programming Languages: Python, C, Javascript

ML/DL: TensorFlow, MediaPipe

Currently Learning: Express, Associate Data Scientist Track (DataCamp)

PROFESSIONAL EXPERIENCE

NYNTAX

February, 2023 – October, 2024

Quality Assurance and Content Manager

- Led quality assurance initiatives across mobile apps and websites, streamlining testing processes and ensuring product reliability.
- Identified, documented, and prioritized bugs, collaborating closely with developers for timely resolution.
- Provided UX-focused design feedback to enhance usability and user satisfaction.

Pangeree Coaching & Limon Education Care, Sirajganj

November, 2024 – Present

- Taught Physics to classes 9 and 10 for six months, focusing on simplifying concepts and improving results.
- Currently mentoring students with a collaborative and personalized teaching approach.

EDUCATION

Bachelor of Science in Computer Science

Graduating September 2025

BRAC University, Dhaka

Current CGPA: 3.60

Department of Computer Science and Engineering

Relevant coursework: Digital Logic Design, OOP, Data Structure, Algorithms, Database Management System, Operating System, Image Processing, Computer Vision, Machine Learning, Cryptography and Cryptanalysis, Ethical Hacking, Computer Networks, Software Engineering, System Analysis and Design and more.

Higher Secondary School

GPA: 5.00

Notre Dame College, Dhaka

ACADEMIC PROJECTS/THESIS

Adaptive Self-Supervision for Cross-Language Generalization in Multilingual Conformer-Based Visual Speech Recognition [CSE400: Thesis]

Aiming to develop a language-agnostic system for real-time multilingual lip reading, addressing challenges in language dependency and adaptability in low-resource settings. Applications include accessibility, communication, and translation technologies.

HIRE ME

- Developed a full-stack recruiting platform connecting job seekers and recruiters
- Built RESTful API backend using Flask and frontend using React
- Implemented job search, posting, application tracking features and Integrated real-time messaging system

SecureBlogVault

- Built a full-stack blog platform using React, TypeScript, and Express, with support for both PostgreSQL and MongoDB databases.
- Implemented comprehensive security features including end-to-end encryption (AES), bcrypt password hashing, and secure user authentication.
- Designed a clean, responsive user interface and a modular architecture, adhering to modern security best practices.

Animal Detection

Worked in a team of five members to build a machine learning model to detect animals from images.

LeapReader

- Utilized LipNet architecture to train a model for lip reading from video footage.
- Curated the GRID Corpus Dataset for training and validation.
- Developed a Tkinter-based interface for user video input and prediction display.

Readventure

Worked in a team of five members to build a book swapping platform.

- Designed schema, ER, EER diagram and implemented database management.
- Built a webinterface using Django.

CERTIFICATION

App Development

Completed a course during the Residential Semester at BRAC University TARC, focusing on Figma design, basic Dart programming, and Flutter app development using Android Studio.

Machine Learning A-Z™

Udemy

Comprehensive course covering machine learning algorithms, data preprocessing, and model evaluation techniques.

ACTIVITIES

Executive of Marketing and Design

Brac University Art and Photography Society

April, 2023 – Present

Executive of Research and Development

Brac University Research for Development

September, 2023 – Present

Volunteer

OCA (Office of Co-curricular Activities)

BRAC University