

# Md. Maknun Nehal

## Computer Science Teacher | Software Developer

## CONTACT


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## EDUCATION

**BRAC University**

- **Bachelor of Science in Computer Science**
- **Minor in Mathematics**

**CGPA:** 3.87/4.00

**Private Candidate, British Council**

**GCE A'LEVELS**

- Mathematics
- Computer Science
- Physics
- Further Mathematics

**GPA:** 4.75/5.00

**The Aga Khan School, Dhaka**

**IGCSE O'LEVELS**

- Computer Science
- Mathematics
- Additional Mathematics
- Chemistry
- Physics
- Economics
- English
- Bangladesh Studies
- Bengali

**GPA:** 4.89/5.00

## PROFILE

Aspiring Software Developer and passionate Computer Science Teacher who got into technical stacks at a very young age. I bridge the gap between imagination and practicality through efficient and effective approaches to software design, programming, and integration. As an educator for O/A Levels, I am committed to making complex concepts accessible and inspiring the next generation of tech enthusiasts. Always eager to stay at the cutting edge of technology, I am also a passionate admirer of the dynamic world of digital art.

## EXPERIENCE

### BRAC University
November 2026 - Present

Student Tutor

- Provide 15 hours of consultation weekly to students, conducting group tutorial classes, and prepare resources to guide them through the course
- Assist faculty during lab classes, invigilate quizzes, and help input student marks

### Shikkha Squared
February 2026 - Present

Computer Science Teacher

- Develop Computer Science courses for Cambridge, Edexcel, and IB curricula.
- Create slides, notes, worksheets, recorded lessons, and online mock exams.
- Conduct live online classes and studio-recorded lessons.
- Teach programming, algorithms, theory, and exam-focused topics.
- Design practice materials to support revision and student assessment.

### Fastpapers.uk
January 2026 - October 2026

Project Lead | Computer Science Examinar

- Organized Fastpapers Mock Championship 2026, a nationwide mock examination initiative designed to help Cambridge O Level, IGCSE, and A Level students evaluate their preparation under real exam conditions.
- Manage sales of Fastpapers products to teachers across Bangladesh and build partnerships with major coaching centres, learning institutes, and sponsors.
- Coordinate examiners, marketing, mock paper delivery, and class operations while also creating, checking, and conducting discussion classes for Computer Science.
- Work closely on the development of Fastpapers' digital systems, including the registration site, AI checking portal, paper generation portal, e-assessment portal, LMS, and paper repos

### Binary Institute
September 2025 - Present

Founder | Computer Science Teacher

- Partnered with and recruited other teachers to establish Binary Institute, a coaching center for IBDP students.
- Teach Computer Science batches for IB curricula by designing syllabus-aligned lesson plans, conducting revision sessions, mock tests, and

### Octagon Learning
August 2024 - Present

Computer Science Teacher

- Teaching Computer Science batches for IGCSE, A Levels, and IB curricula
- Designing structured lesson plans aligned with Cambridge and IB syllabi
- Conducting regular revision sessions, mock tests, and exam-focused practice
- Hosting and delivering programming courses for general students, independent of academic subjec

### Odyssey Technologies
October 2022 - November 2024

Frontend Developer

- Developing the user interface for mobile applications (Framework: Flutter)
- Designing UI components to enhance the user experience (Software: Figma)
- Connecting modules to the backend and database (Backend: MongoDB)
- Integrating the application with the WordPress database
- Communicating with clients and releases updates based on feedback
- Deploying applications to both the Play Store and App Store

### Dynamic Traders & Cargo Services
July 2022 - April 2025

Software and Web Developer

- Designing the UI and creating the frontend of the office management software targeted for use by the employees to manage billings, accounts, operations, clients, reports and statistics (Framework: Flutter)
- Integrating the software with backend, database and existing data from spreadsheets

## TECHNICAL SKILLS

- Flutter
- Next.js
- Python
- SQL
- Adobe Photoshop
- Adobe Illustrator
- Wordpress
- Blender
- Fusion 360
- Java
- Figma
- MongoDB

## CLUBS

- **BRACU Mongol-Tori**
  3D Modelling and Mechanical Dept
- **Robotics Club of BRAC University (ROBU)**
  IT Department
- **BRAC University Computer Club (BUCC)**
  IT Department

## VOLUNTEERING

- **Rotaract Club of Uttara**
  Sergeant at Arms
- **BRAC Civic Engagement**
  Srijon ICT - Instructor
- **Footsteps**
  Fundraising Partner
- **JAAGO Foundation**
  Voluntary Teacher

## REFERENCES

- **Dr. Chowdhury Mofizur Rahman**
  Professor
  **BRAC University**
  rahman.mofizur@bracu.ac.bd
- **Mohammad Naveed Hossain**
  Lecturer
  **BRAC University**
  mohammad.naveed@bracu.ac.bd

- Integrating the software across departments: Head Office, Seaport, Airport, and EPZs
- Creating guide videos and documentation for the employees
- Collecting data and creating detailed business analytics
- Releasing updates of software as per targeted user's requirement and feedback
- Maintaining the ERP used by 100+ employees and processing 200+ shipments daily
- Developing the website for Dynamic Traders
- Designing Company Profile, Calendar, Banners, Visiting Cards, Pad, etc

### Bioforge Health
December 2020 - March 2023

Frontend Developer

- Created the frontend for mobile applications targeted to be used by doctors to manage their patients, their tasks, follow-ups and the team members of their department. (Framework: Flutter)
- Integrated Bluetooth Low Energy (BLE) devices with mobile applications to synchronize patients' vital readings and transmit the collected data to a centralized dashboard.
- Contributed in the marketing campaign securing the MIT Solve 2020 Community Award
- Integrated application modules with backend services and databases, while designing UI components to enhance usability and overall user experience.
- Prepared guide videos/documentation for doctors, assisted in developing presentations to promote the program to hospitals, and provided ongoing customer support.

### Shape BD
July 2020 - August 2021

Co-Founder | Head of Graphics & Web Development

- Graphics, photo and video editing for fundraitsing projects
- Edited photos and videos of the projects
- Developed the website for Shape (https://www.shapebd.org/)
- Promoted, gathered volunteers and collected donations for projects
- Created graphics for the 1st fundraising Valorant Tournament in Bangladesh
- Managed Discord server, Facebook event page for tournament
- Gathered sponsors and teams for tournament
- Hosted tournament matches and managed live streams

## ACHIEVEMENTS

### NASA Space Apps 2025 - Global Finalist
Dec 2025: Issued by NASA

### Shortlisted for University Rover Challenge
Jun 2024: Issued by The Mars Society

### MIT Solver Class of 2020
2020: Issued by Massachusetts Institute of Technology (MIT)

### Qualified for Bangladesh Physics Olympiad Nationals
Jan 2019 & Jan 2018: Issued by Bangladesh Physics Olympiad

### Duke of Edinburgh's Award - Silvder Standard
July 2021: Issued by Duke of Edinburgh's International Award

### Honour Roll Award
2015 to 2020: Issued by The Aga Khan School Dhaka

### Champion of Intraschool Chess Tournaments
2017, 2018, 2019, 2020: Issued by The Aga Khan School Dhaka

### 1st Place in AKS,D Math Olympiad
May 2018: Issued by The Aga Khan School Dhaka

### 1st Place in AKS,D Science Olympiad
May 2018: Issued by The Aga Khan School Dhaka

## PROJECTS

### CSwithNehal
Educational Website

### Mentors' Education
Mobile Application

### Shelai Dholai
Mobile Application

### Dynamic Traders ERP
Webapp + Desktop Software

### RBM Automobiles ERP
Webapp

### Raphael Teaches
EdTech Mobile App