

# Shadman Ahmad

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## PROFILE

Exceptional service oriented professional with a proven track record of placing excellence above all else, demonstrated through voluntarily working during personal milestones to ensure client success. Master’s candidate in AI and Machine Learning with extensive experience in high stakes relationship management, having successfully negotiated major corporate partnerships including securing Bangladesh’s largest tech retailer as a sponsor. Combines technical precision with natural people skills, seamlessly connecting with diverse demographics from school children to corporate executives. Known for transforming challenges into opportunities by turning weekend and holiday schedules from industry drawbacks into personal competitive advantages. Brings unmatched dedication, cultural adaptability, and a relentless commitment to exceeding expectations in every professional endeavor.

## EDUCATION & QUALIFICATIONS

University of Adelaide - Master’s degree Master of Artificial Intelligence and Machine Learning	2027
BRAC University - Bachelor of Science in Computer Science 3.64 on a scale of 4.00	2024
British Council Bangladesh - A Level Physics	
Chemistry	
Maths	2019

## WORK EXPERIENCE

**Robotics and Coding Instructor, Lesson Planner | Octobrain** **May 2024 to Dec 2024**

Octobrain is a UK-owned edtech startup operating in Bangladesh that offers an AI-powered learning and mentorship platform for school clubs, enabling students to showcase portfolios and earn badges through competitions. Backed by Microsoft for Startups on Azure, it partners with leading international schools to deliver scalable, secure educational resources and robotics workshops for young innovators.

- Lesson Planning & Curriculum Development: Designed and structured weekly lessons in robotics and coding for school students, ensuring content aligns with students’ skill levels and educational goals.
- Content Creation & Video Recording: Created instructional videos for each lesson, allowing students who couldn’t attend live sessions to learn at their convenience on the Octobrain platform.
- Workshop Trainer & Educator: Conducted hands-on workshops in robotics, fostering a practical, engaging learning environment that encouraged students to apply their knowledge in real-time projects and competitions.
- Platform Support & Student Engagement: Facilitated a safe and supportive virtual classroom experience, promoting collaborative learning and providing guidance through clubs, competitions, and events.
- Designed and developed multiple robotics and coding course modules tailored to beginner and intermediate skill levels
- Conducted a full batch of hands-on robotics and coding classes for South Breeze School, achieving high student engagement and positive feedback
- Created comprehensive lesson plans and project guides that enhanced students’ learning outcomes and practical skills
- Integrated real-world applications and collaborative challenges to foster problem-solving and teamwork among participants

**Assistant Programmer | Krishi Gobeshona Foundation****May 2023 to Dec 2023**

Krishi Gobeshona Foundation (KGF) is a leading agricultural research organization in Bangladesh dedicated to advancing sustainable farming practices and improving crop productivity. Through collaborative projects with government agencies, academic institutions, and rural communities, KGF conducts innovative research in areas such as soil health, crop genetics, and water management. By translating scientific findings into practical solutions, the foundation plays a pivotal role in enhancing food security and supporting the livelihoods of farmers across Bangladesh.

- **Website Upgradation:** Contributed to enhancing the company's website by performing front-end development and database management tasks.
- **Central Monitoring Database:** Played a key role in developing a centralized monitoring system by contributing to database architecture and frontend interface design.
- **Requirements Gathering:** Successfully collected and analyzed project requirements from the employer for both the Website Upgradation and Central Monitoring Database projects. Ensured that all stakeholder needs were accurately captured and addressed in the final deliverables.
- **Collaborated effectively** with cross-functional team members to deliver the Central Monitoring Database System (PMS) on schedule, despite concurrent academic commitments
- **Demonstrated strong time management and teamwork** by balancing university coursework with project deadlines
- **Enhanced the company's online presence** through targeted front-end development and robust database management for the website upgrade
- **Conducted thorough requirements gathering and stakeholder consultations** to ensure all project objectives were met and delivered with high quality

**Science & Mathematics Teacher | After School Coaching Centre****Jan 2020 to Aug 2024**

After School Coaching Centre is a private educational institution dedicated to supporting students with their school curriculum through targeted tutoring and enrichment programs. Specializing in science and mathematics, the centre offers personalized instruction, exam preparation workshops, and progress monitoring to reinforce classroom learning and foster academic confidence in students of all age groups.

- **Exceptional Dedication:** Voluntarily continued teaching during scheduled time off to ensure students' exam success, prioritizing classroom outcomes over personal commitments including wedding celebrations
- **Customer Service Excellence:** Maintained consistent communication with parents regarding student progress, demonstrating strong interpersonal and relationship management skills
- **Multi-age Client Management:** Successfully taught and mentored students ranging from school-age children to university freshmen, adapting communication style to diverse age groups and learning needs
- **Pressure Management:** Maintained calm, professional demeanor while preparing students for critical O-Level examinations

**Marking Assistant | BRAC KUMON****Jan 2020 to Mar 2020**

BRAC KUMON Bangladesh is a collaborative learning centre operated under the BRAC University umbrella and the global Kumon methodology. Specializing in after-school supplemental education, the centre provides structured, self-paced instruction in mathematics and reading for students from early primary through secondary levels. By combining Kumon's proven worksheet-based learning model with BRAC's extensive educational network, BRAC KUMON delivers personalized progress tracking, regular parent-teacher consultations, and a supportive environment that empowers learners to build confidence, develop strong study habits, and achieve academic success.

- **Invigilated quizzes** to ensure a fair testing environment.
- **Graded assignments**, including quizzes and O-Level mock exams, provide detailed feedback to support student improvement.
- **Prepared quiz questions** to assess student understanding of course material.
- **Processed and evaluated over 500 student assignments** with precision, ensuring timely and accurate feedback

- Established effective communication channels with parents, delivering clear progress updates and fostering trust
- Implemented a streamlined record-keeping system to improve data accuracy and support personalized student follow-ups

## ADDITIONAL INFORMATION

Training – ERASMUS+ EdViCon Project Training June 24-29, 2024

Universiti Teknologi MARA (UiTM) Sarawak, Malaysia

1. Participated in a comprehensive training program under the ERASMUS+ framework focused on Portable Video Conferencing Toolkits and Online Applications for Engaging Learning Experience Design in Higher Education Classroom.
2. Participated in Training and Competence Development Transnational Project Meeting (M2)
3. Attended EdViCon Multiplier Event Asia (R4 and R5)
4. Completed EdViCon Educational Training Event Asia (C1)

Languages – Bengali; English

Technical skills

- Programming Languages: Python, SQL, JavaScript, HTML, CSS
- Machine Learning Frameworks: TensorFlow, PyTorch, scikit-learn, OpenCV
- Data Analysis Tools: Excel, Power BI, Tableau
- Database Management: MySQL, SQLite
- Web Development: Front-end and back-end development
- Version Control & Collaboration: Git, Docker, Jupyter
- AI/ML Concepts: Supervised and unsupervised learning, deep learning, neural networks,
- NLP Project Experience: Toxic comment classification, Twitter sentiment analysis, hand gesture recognition,

## INTERESTS

Connecting with People: I enjoy being around others, striking up conversations with new acquaintances in any setting—from flights to grocery stores—which helps me build rapport and understand diverse perspectives.

Teaching and Mentoring: I am passionate about helping students learn and grow, whether in formal classroom settings or informal discussions, and I thrive on sharing knowledge and supporting others' development.

Football Enthusiast: I love talking about football, engaging in discussions about matches, players, and strategies, which fosters teamwork and friendly competition.

Playing FIFA: I regularly play FIFA, which sharpens my strategic thinking, quick decision-making, and ability to connect with others through shared interests.

## REFERENCES

Mohammed Obaidur Rahman | BRAC KUMON Bangladesh

Dr. Amitabha Chakrabarty | Professor, Department of Computer Science and Engineering, BRAC University

Jiban Krishna Biswas PhD | Executive Director, Krishi Gobeshona Foundation