

## RESEARCH INTEREST

- Machine learning applications in public health economics: Evaluating cost-effectiveness.
- AI-driven strategies for optimizing healthcare delivery and economic outcomes.
- Information monitoring and verification using Machine Learning.
- Enhancement of information security using blockchain technology.
- Health Informatics; Image Segmentation Techniques for Information Separation.
- Predictive analytics in healthcare: Assessing economic benefits and social impact.

## EDUCATION

<b>Bachelor of Science in Computer Science and Engineering</b> , American International University- Bangladesh	<b>09 2019</b>
<b>CGPA 3.74</b> out of 4	
<b>IELTS Overall 7</b> out of 9	<b>25-05-2024</b>

## RESEARCH EXPERIENCE

<b>Undergraduate Thesis</b>	<b>10-06-2019</b>
American International University Bangladesh	Koratoli, Dhaka
• Thesis Topic: Detection of Nitrogen, Phosphorus, Potassium (NPK) of soil using fiber optics sensor.	
• Link: <a href="#">Detection of NPK of soil using fiber optic sensor.pdf</a>	
<b>Conference Paper</b>	<b>01-2020</b>
1st International Conference on Computing Advancements - ICCA 2020	AIUB, Bangladesh
<b>Sheikh Sayed Bin Rahman</b> , Ishfaq Ahmed, Fahad Ahmed, "An IoT Based Model of a Nitrogen Detection System for Soil Samples." ICCA 2020: Proceedings of the International Conference on Computing Advancements, 1-5.	
• Link: <a href="https://dl.acm.org/doi/10.1145/3377049.3377120">https://dl.acm.org/doi/10.1145/3377049.3377120</a>	

## WORK EXPERIENCE

<b>Automation Engineer</b>		<b>10-2022- Present</b>
Absorb Software	sheikh.rahman@absorblms.com	Calgary, Canada
• Coding E2E automation tests, Maintain repository for different versions		
<b>Software Engineer</b>		<b>8-2022- Present</b>
Together initiative Ltd	sksayed@i2gether.com	Dhaka, Bangladesh
• Backend Architecture, Restful Apis, Database management, project management		
<b>Software Engineer</b>	Gomax Automation Ltd	<b>10-2020 – 03-2022</b>
• Vehicle tracking app development using Flutter for android and ios		Dhaka, Bangladesh
<b>Junior Android Developer</b>	Dailygoods Limited	<b>10-2019 - 09-2020</b>
• Coding for a rider android app development and web app using Vaadin.		Dhaka, Bangladesh

## SKILLS

---

<b>Technical Skills</b>	Programming (C++, Python, Java, JavaScript, C#, Dart, MATLAB), latex, excel, Android development, Flutter, Spring boot, Database Management(Oracle 10g , PL/SQL , MS SQL ), Git , Cypress, Playwright, TensorFlow, NumPy, Arduino, shell script.
<b>Research Skills</b>	Data optimization, Data Modeling, Literature Review, Research Methodologies
<b>Communication</b>	English

## PROJECTS

---

<b>Visitor Management System</b>	<b>10-2022</b>
Worked as a developer as well as architect for backend of Visitor Management System. I have developed Restful Apis for the whole system including Authentication and Authorization.	
<b>Tools:</b> Java , Spring Boot 2 , JPA, Hibernate , Jasper report , MS SQL , Docker	
<b>Toxic Comment Classification</b>	<b>2022</b>
Given a comment made by the user, predict the toxicity of the comment	
<b>Tools:</b> NumPy, pandas, scikit-learn, keras, jupyter notebook, Python	
<b>Decision Tree: Income prediction system</b>	<b>2021</b>
A decision tree to predict the income of a given population	
<b>Tools:</b> numpy, pandas , matplotlib , scikit-learn , jupyter notebook , Python	

## ACTIVITIES & INTERESTS

---

• Presenter at 1st International Conference on Computing Advancements - ICCA 2020	<b>01 - 2020</b>
• Founder at Bangladesh Cyber help club	<b>2022</b>
• Regular Blood Donor in Quantum Foundation	<b>2019 - Present</b>
• An active member at Aiub Computer Club (ACC)	<b>2017-2019</b>
• Cricket , Combat Sports, Video games, Fitness	