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Sheikh Sayed Bin Rahman

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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

Bachelor of Science in Computer Science and Engineering, *American International University-Bangladesh*   **09 2019**

CGPA 3.74 out of **4**
WES evaluated CGPA **3.84** out of **4**
IELTS Overall **7** out of **9**   **25-05-2024**

RESEARCH EXPERIENCE

Undergraduate Thesis   **10-06-2019**
American International University Bangladesh   *Koratoli, Dhaka*

• Thesis Topic: Detection of Nitrogen, Phosphorus, Potassium (NPK) of soil using fiber optics sensor.

• Link: Detection_of_NPK_of_soil_using_fiber_optic_sensor.pdf

Conference Paper   **01-2020**
1st International Conference on Computing Advancements - ICCA 2020   *AIUB, Bangladesh*

Sheikh Sayed Bin Rahman, 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: https://dl.acm.org/doi/10.1145/3377049.3377120

WORK EXPERIENCE

Automation Engineer   **10-2022- Present**
Absorb Software   sheikh.rahman@absorblms.com   Calgary, Canada

• Coding E2E automation tests, Maintain repository for different versions

Software Engineer   **8-2022- Present**
Together initiative Ltd   sksayed@i2gether.com   Dhaka, Bangladesh

• Backend Architecture, Restful Apis, Database management, project management

Software Engineer   *Gomax Automation Ltd*   **10-2020 – 03-2022**

• Vehicle tracking app development using Flutter for android and Ios   Dhaka, Bangladesh

Junior Android Developer   *Dailygoods Limited*   **10-2019 - 09-2020**

• Coding for a rider android app development and web app using Vaadin.   Dhaka, Bangladesh

SKILLS

Technical Skills	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.
Research Skills	Data optimization, Data Modeling, Literature Review, Research Methodologies
Communication	English

PROJECTS

Visitor Management System   **10-2022**
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.
Tools: Java , Spring Boot 2 , JPA, Hibernate , Jasper report , MS SQL , Docker

Toxic Comment Classification   **2022**
Given a comment made by the user, predict the toxicity of the comment
Tools: NumPy, pandas, scikit-learn, keras, jupyter notebook, Python

Decision Tree: Income prediction system   **2021**
A decision tree to predict the income of a given population
Tools: numpy, pandas , matplotlib , scikit-learn , jupyter notebook , Python

ACTIVITIES & INTERESTS

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