


# MEHREEN RAHMAN

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## EDUCATION

B.Sc. in Computer Science and Engineering (*Curriculum* 

University of Dhaka

 2015 – 2019

GPA : 3.26 out of 4.00

## EXPERIENCE

Senior Software Engineer, Expert Services



Optimizely 

 January, 2023 – Present     New York, New York

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Software Engineer, Expert Services

Optimizely

 December, 2021 – December, 2022     New York, New York

- Empowered 100+ clients with data-driven decisions (APIs/SQL, reports) leading to an average 95% satisfaction rate
- Streamlined onboarding and data migration for 100+ customers (optimized data management, reducing onboarding time by 40%)
- Maintained and developed features for internal product (now 200+ WAUs) using Flask and Docker (ensured scalability)
- Championed code maintainability, proactively troubleshooting legacy code to prevent potential outages
- Mentored junior engineers, fostering a collaborative and knowledge-sharing team

QA Specialist

Eskimi DSP 

 April, 2021 – November, 2021     Vilnius, Lithuania

- Automated DSP dashboard testing (Selenium WebDriver, -40% testing time, improved coverage)
- Analyzed risks and planned Agile testing strategies for DSP dashboard
- Developed and executed test plans (95% defect detection rate)
- Collaborated on functional and non-functional testing (fostered team environment)

Software Engineer, QA

TigerIT Bangladesh Limited 

 April, 2019 – March, 2021     Dhaka, Bangladesh

- Developed custom evaluation frameworks for Machine Learning models (+2-3% performance, generalizability)
- Analyzed model effectiveness (key performance metrics (e.g., F1-score, precision, recall, mAP) & TensorFlow)
- Designed and executed comprehensive performance testing on large datasets (millions of data points) (ensured robust and scalable models for real-world applications)
- Expertise in image processing techniques contributing to the development of ML models (OpenCV, 95-97% accuracy)
- Automated service testing (PyTest, -30% testing time)

## RESEARCH INTERESTS

- Data Science/Analysis
- Cybersecurity
- Bioinformatics
- Machine Learning

## RESEARCH EXPERIENCE

### UNDERGRADUATE THESIS

CNCX 

– Classification of Coding and Noncoding RNA transcripts Based on eXtreme Gradient Boosting Classifier

A new approach to classify transcripts based on one of the most recent machine learning approaches (XGBoost) using a unique feature selection procedure

Stack : Python    Focus : Bioinformatics

## TEST SCORES

### GRE

V	Q	AW
145	159	3.5

### IELTS

L	R	W	S
9.0	8.5	6.5	8.0

## SKILLS

### TECHNICAL

- Language : Python    C/C++    Java
- Framework : Selenium    PyTest    Flask
- Database : Oracle    MySQL
- Tool : Postman    Locust    JMeter  
Jenkins    Burp Suite
- Project Management : JIRA    Asana
- IDE : PyCharm    VS Code
- Operating System : macOS    Linux  
Windows
- Version Control : Git

# PROJECTS

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## ACADEMIC

[Don't Touch The White Tile](#) 

A fast paced game where black and white tiles keep on appearing and the rule is to not to touch the white ones

**Stack** : Java

[The Stick Champ](#) 

A bridge building game where sticks are stretched to cross platform gaps

**Stack** : C, BGI

## PERSONAL

[MaskedOrNot](#) 

– [Classification of masked and non-masked faces](#)

Inspired from the ongoing(2020) pandemic. Based on the image, gives the result if the face is masked or not

**Stack** : Python

**Focus** : Machine Learning

# ACHIEVEMENTS

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- DU Honours Scholarship for academic performance, 2018
- 20th out of 64 teams in the National Girls' Programming Contest, 2015