

Mohammad Shoaib

IBM Certified Associate Developer: Quantum Computing using Qiskit
Contributor at Google Summer of Code 2022 with TensorFlow

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Skills

Languages:	Python, JavaScript
Quantum Computing:	Qiskit, Quantum Protocols, Quantum Algorithms
Data Science:	Natural Language Processing, Computer Vision, Machine Learning, TensorFlow, PyTorch
Web Development:	Django, React, Flask, Rest APIs, git
Cloud Computing:	Managing and deploying solutions on AWS, Azure & GCP
Data Analysis:	Power BI, Tableau, Google Analytics, Pandas, Matplotlib, MySQL

Education

Bangladesh University of Textiles, Tejgaon, Dhaka

B. Sc. in Textile Engineering, Major: Industrial & Production Engineering 2017 – December 2022

MITx MicroMasters Program, MIT on edX

MicroMasters in Supply Chain Management 2020 - 2021

Rajuk Uttara Model College, Uttara, Dhaka

Higher Secondary Certificate (HSC) 2014 - 2016

Experiences

Contributor at Google Summer of Code 2022 with TensorFlow

May 2022 – September 2022

- Published a collection of the “Swin Video Transformer” models to TensorFlow-Hub
- Project Link: <https://github.com/shoaib6174/GSOC-22-Video-Swin-Transformers>

Research Intern, Deeppavlov.ai (<https://deeppavlov.ai/interns>)

December 2021 – April 2022

- Worked on creating dialogue graph from MultiWOZ dataset
- Used Universal Sentence Encoder, tf-idf, topic modeling, xmeans, dbscan, optics etc.

Microsoft Learn Student Ambassador

October 2021 - Present

- Leading a team of 4 from different nations to write a blog series on “No code Machine learning using Azure”
- Working on “Intro to Azure App Service” modules with Microsoft’s Product Managers
- Received training from Microsoft’s PM and Cloud Advocates on presentation, hosting event, technical writing

Projects

Tracking Pose from Multiple Videos (<https://github.com/shoaib6174/Tracking-Pose-from-Videos>)

- Used MMPose to estimate pose of human body
- Combined 4 videos in a 2x2 grid before estimating the pose

Extract Text from Image (<https://github.com/shoaib6174/Extract-Text-from-Image-using-Azure-s-Computer-Vision>)

- Used Azure’s Computer Vision API to extract text from image
- Developed it using flask and deployed it on Heroku

Home Price Predictions (<https://github.com/shoaib6174/Home-Price-Prediction>)

- Developed a ML model for predicting home price
- Developed backend & interface using Flask, JavaScript, HTML, CSS

Ecommerce Web-App (<https://github.com/shoaib6174/e-commerce>)

- Developed using React.js, Express, Django & Redux
- Features: shopping cart, user profile with orders, reviews and ratings, pagination, search feature, product management, user management, order management, checkout process, PayPal & credit card integration

Certifications

Microsoft Certified: Azure Data Scientist Associate from Microsoft

Microsoft Certified: Data Analyst Associate from Microsoft

Google IT Support Professional Certificate from Google

Google Analytics Individual Qualification from Google (expired)

Lean Six Sigma Yellow Belt from The Technical University of Munich (TUM), Germany.

Professional Development/Online Learning

Architecting with Google Cloud Specialization from **Coursera**

Google Project Management Specialization (On 6th course out of 6) from **Coursera**

Complete Web Development Course with Jhankar Mahbub from **Programming Hero**

Become a Data Analyst from **LinkedIn Learning**

Data Science Career Path from **Codecademy**

Publications & Writings

Goniter Mojar Prosno O Uttor

Oddhoyon Prokashoni ([link](#))

Build a web app to Extract Text from Image using Flask and Azure's Computer Vision API,

Medium ([link](#))

How to become a Microsoft Certified: Data Analyst Associate,

Medium ([link](#))

3D printing technology for textiles and fashion (Review Paper),

Textile Progress, Taylor & Francis, 2021 ([link](#))

Leadership & Extracurricular Activities

IBM Z Ambassador, IBM & Your Big Year

September 2021 – December 2021

- Networking with industry professionals in the IBM Z and Your Big Year community
- Gaining IBM Credentials and learning on IBM enterprise computing & mainframe

BUTEX Business Club, Vice President of Finance

2017 - 2022

- Arranged 3 national level Business Case Competition
- Arranged more than 20 workshops and seminars

Association of Industrial & Production Engineers, BUTEX, Senior Executive

2019 - 2022

- Arranged IPE fest which included idea competition, poster presentation, gaming and cultural program
- Facilitated several workshops and seminars

Young Sustainable Impact, Bangladesh (YSI Bangladesh), Campus Teams Coordinator

2018 - 2019

- Co-ordinated teams of campus ambassadors of around 50 universities

Asian Youth-Model United Nations (AYMUN)

2017

- Represented Cuba in UNHRC
- Discussed about invasion of privacy by government's surveillance programs.

Achievements

- Runners up at BUTEX Debate Club's Talent Hunt - 2017
- Champion, Science Fair - 2013, District Level (Patuakhali District)
- Runners up, Science Fair - 2013, Division Level (Barishal Division)
- Runners up, Prothom Alo Grameenphone I-Genius Contest-2011, Patuakhali District.