TAMIM **HASAN**

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Computer Science graduate passionate about machine learning, deep learning and data engineering. Highly-capable leader, having led multiple Senior class projects to completion. Proficient in a range of modern technologies including Python, PHP, Java, C and C++.

SKILLS

- Extensive knowledge in Microsoft Word/ PowerPoint / Excel
- PYTHON/ PHP / JAVA / C++ / C / PowerShell
- Android Development (JAVA/ KOTLIN)
- HTML / CSS / JAVASCRIPT / MySQL / SQL dB
- LARAVEL / DJANGO
- AutoCAD
- Deep Learning / Computer Vision
- Machine Learning (Python, Pandas, Matplotlib, NumPy, Jupyter, Colab, Anaconda)
- Research Aptitude / Decision Making
- Bitbucket / GitHub
- Arduino (Hardware) / Adobe Premiere Pro/ Filmora / Photoshop / Illustrator
- Google (Docs / Meet / Forms / Drive / Slides) / ZOOM / Skype
- IDEs: Visual Studio Code / Eclipse / IntelliJ Idea / Net beans / Codeblocks / Atom / Sublime Text / Notepad++
- Command over using different OS including Ubuntu, Windows XP/ Vista/ 7/ 8/10/11 and MacOS

PROJECTS

THESIS AND CAPSTONE PROJECT

COVID 19 AND TUBERCULOSIS CLASSIFICATION USING DEEP LEARNING

This is a final-year, eight-month-long group-based project where I led our team working on Convolutional Neural Network (CNN), MobileNetV2, and RestNet50 deep learning models. We attained our highest result with MobilNetV2's 99 percent accuracy and an F1 score of 99%. X-rays are used to identify COVID-19 and tuberculosis patients.

MACHINE LEARNING PROJECT

HEART DISEASE DETECTION USING BRFSS DATASET

The primary objective of this machine learning-based group project is to predict a person's likelihood of developing heart disease. Seven different machine learning algorithms have been applied to the survey dataset. Among these seven models, the Random Forest Classifier has the highest accuracy, at 94%. In addition, we have implemented a web application for widespread use. Web URL: https://heartdiseasedetection-tk.herokuapp.com/

ANDROID DEVELOPMENT PROJECT

AGRO APPLICATION, INVENTORY AND EMPLOYEE MANAGEMENT SYSTEM

I worked on this project while enrolled in Junior Project Design. This application was developed for AGRO.LTD to manage their inventory and employee information. This mobile application was developed using Java on Android Studio.

WEB DEVELOPMENT PROJECT

MENTAL HEALTH SOLUTION, FINAL YEAR PROJECT

It is one of my final year projects in which I lead a team of four individuals. This project focuses on addressing the issue of mental health disorders on the web. We were developing a website where individuals could search for and schedule appointments with mental health professionals. Doctors can prescribe to their patients, and patients can review their clinicians.

EDUCATION

JAN 2018 – MAY 2022

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING, NORTH SOUTH UNIVERSITY

Address: Plot # 15, Block# B, Bashundhara, 1229 Dhaka (Bangladesh)
http://www.northsouth.edu/
CGPA: 3.72/4

2017

HIGHER SECONDARY SCHOOL CERTIFICATE, GOVT. BANGABANDHU COLLEGE

Address: 29/B Shahidbagh, Pallabi, 1216 Dhaka (Bangladesh)
https://govtbangabandhucollegedhaka.edu.bd/
Final grade: 4.00/5.00

2014

SECONDARY SCHOOL CERTIFICATE, SHAHEED POLICE SMRITY COLLEGE (SPSC)

Address: Police Complex, Kafrul, Mirpur-14, 1216 Dhaka (Bangladesh)
https://www.spsc.edu.bd/
Final grade: 4.31/5.00

LANGUAGE SKILLS

- Bengali (Mother tongue)
- IELTS 7.0 | English (C1)

ACTIVITIES

I am currently attempting to publish two journals based on the first two projects listed above. I frequently enjoy swimming, watching movies, traveling, and reading articles.

REFERENCES ARE AVAILABLE UPON REQUEST