



CHOWD- HURY ASHEK BIN HELAL

DATA
ANALYST
&
MACHINE
LEARNING
SPECIALIST

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Novice
- Bengali - Native

ACHIEVEMENTS

- Certification from Dataquest.io for completing the "Data Scientist in Python" path (December 2020).
- Deep Learning A-Z™: Hands-On Artificial Neural Networks by Kirill Eremenko and Hadelin de Ponteves, Ligency Team, Udemy (December 2020).
- Python for Data Science and Machine Learning Bootcamp by Jose Portilla, Udemy (December 2020).
- Machine Learning & Data Science Foundations Masterclass by Dr. Jon Krohn, Ligency Team, Udemy (November 2020).
- Certification from Dataquest.io for completing the "Data Analyst in Python" path (August 2020).

PROFILE

Ashek is a Data Analyst and Machine Learning Specialist with his Master's thesis on the application of Computer Vision in the forest industry and years of working experience as an IT professional. His other strengths include knowing his way around Big Data Analytics and other areas of Data Science. Most notably, he has proven his abilities when developing a Named-entity Recognition model to later implement it into the production of a client of Integrify. As a person, Ashek is a proactive and organized communicator who never fails to make his teammates smile.

RECENT PROJECTS

Product Features Detection Using NER

SpaCy, Pandas

Developed a custom NER model to be implemented as a part of a client's real-life production.

Image Colorization Using Autoencoders and Resnet

Image Colorization Using Autoencoders and Resnet Numpy, Pandas, openCV2, TensorFlow, Keras

Developed a model to colorize grayscale images wby using relevant Deep Learning methodologies.

Web Scrapping with NBA Stats

Pandas, Requests, BeautifulSoup, Matplotlib, Seaborn, Plotly, Cufflinks

Used NBA basketball reference site for web scrapping and data analysis.

Master's Thesis Project

Matlab

A Thesis project completed as a part of a Master's degree program in Computer Vision and Pattern Recognition at LUT University in Lappeenranta, Finland. The purpose of the work is to develop a system that is capable of detecting anomaly defects of sawn timber with the use of Autoencoder.

SKILLS

Programming Languages: C, CSS, Java, HTML, MATLAB, Python, SQL.

Data Analysis: BeautifulSoup, Dask, NLTK, NumPy, OpenCV, Pandas, SciPy.

Data Visualization: Bokeh, Matplotlib, Microsoft BI, Plotly, Seaborn.

Database Management: PostgreSQL, SQL.

Machine Learning & Deep Learning: Keras, PyTorch, Scikit-Learn, TensorFlow.

EXPERIENCE

Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | April 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scrapping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dwelled into Deep Learning and Computer Vision.
- Handed Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

IT Officer

Platinum Group Ltd. Bangladesh | Dhaka, Bangladesh | September 2016 - May 2017

- Oversaw the IT infrastructure of the company.
- Maintained the IT network and supervised the company's intranet and LAN.
- Troubleshoot IT hardware.
- Responsible for the server-side analysis.
- Analyzed data and created monthly salary reports.
- Created visualization graphs and charts.

IT Officer

Mutual Trust Bank Ltd. Bangladesh | Dhaka, Bangladesh | January 2016 - March 2016

- Assisted with troubleshooting issues and provided technical support.
- Contributed to IT support in areas such as cybersecurity.
- Also responsible for programming, analytics, and data center management.

EDUCATION

Specialization Studies in Big Data Analytics

Arcada University of Applied Sciences | Helsinki, Finland | 2019 - 2020

M.Eng. in Computer Vision and Pattern Recognition

LUT University | Lappeenranta, Finland | 2017 - 2019

B.Sc. in Computer Science and Engineering

Ahsanullah University of Science and Technology | Dhaka, Bangladesh | 2011 - 2015