



DIPONKOR MONDAL

DATA
ANALYST
&
MACHINE
LEARNING
SPECIALIST

PORTFOLIO

LINKEDIN

GITHUB

LANGUAGES

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

ACHIEVEMENTS

- FIT in BIO & BIZ, innoOK and TE-palvelut. (Labour market training program for foreigners with higher education. This intensive training program includes the following modules: Group dynamics, Skill and competence, Competence communication, Finnish corporate culture and Legislation, Project work exercise, Professional communication, Job portal, Entrepreneurship, and Practical training in a company.) [October 2020].
- Alumni Ambassador, University of Oulu student union (September 2019).
- Student Tutor, University of Oulu (September 2018).

PROFILE

Diponkor is a Data Analyst with a strong theoretical foundation and educational background. He has gained hands-on experience and refined his skills with Image Processing and Data Analysis during his Master's degree in Biomedical Engineering and work as a Research Assistant. His accumulative experience and interpersonal skills make Diponkor a great match for data-driven businesses across multiple industries.

RECENT PROJECTS

Relationship Between Collagen Orientation and Biomechanical Properties in Bovine Ligament

Matlab, Polarized light microscopy, Python, SPSS

This project constitutes the Master's thesis work, delving into the relationship between collagen orientation and biomechanical properties in Bovine ligament. The outcome of this project has been accepted and published by the Journal of Royal Society.

Diabetes Risk Prediction

Numpy, Pandas, Matplotlib, Seaborn, scikit-learn

An individual project completed and supervised at Integrify with the purpose showcasing the proficiency with relevant technologies. The data was sourced from the Bangladesh Diabetic Hospital.

SKILLS

Programming Languages: MATLAB, Python.

Data Analysis: Dask, Numpy, Pandas, SPSS.

Data Visualization: Matplotlib, Seaborn.

Database Management: SQL.

Machine Learning: Scikit-learn.

Cloud Services: AWS.

Other: Abacus, API, Burker micro-CT, CTAn, LabView.

EXPERIENCE

Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | October 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 Scraping 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.
- Handled 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.

Production Specialist (part-time)

Swappie Oy | Helsinki, Finland | March 2021 - Present

Housekeeper

Coor Service Management Oy (Break Sokos Hotel Eden, oulu) | Oulu, Finland | February 2018 - November 2020

- Demonstrated excellent multitasking and time management skills as a part-time worker at Break Sokos Hotel Eden and a full-time student at University of Oulu.
- Leveraged hands-on experiences in and profound knowledge about Hospitality and Customer Care Management.
- Gained trust from the team members as a reliable and competent team player.

Research Assistant

University of Oulu | Oulu, Finland | September 2018 - September 2019

- Contributed to the current research at the Research Unit of Medical Imaging Physics and Technology as a thesis worker.
- Developed and implemented bio-sample preparation, image processing, and data analysis.
- Tackled numerous deadlines and worked effectively under intense pressure and given guidelines.

Research Intern

Oulu University Hospital | Oulu, Finland | June 2018 - October 2018

- Participated in a research project that yielded exceptional outcome and contributed substantially to the future implications.
- Obtained intensive training in a professional working environment.
- Demonstrated teamwork skills in a dynamic workplace and enhanced interpersonal skills to achieve collective goals.

EDUCATION

M.H.Sc. in Biomedical Engineering

University of Oulu | Oulu, Finland | September 2017 - September 2019

B.Sc. in Physics

Mawlana Bhashani Science and Technology University | Tangail, Bangladesh | February 2011 - July 2016