Mitesh Chakma

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TECHNICAL SKILLS

Languages: Python, Java
Web Technologies: Django, React , Js , CSS, HTML
Database Technologies: NoSql, SQL
Version Control: GIT/GitHub,
Libraries: Pandas, NumPy, SciPy, Scikit-learn, Keras, TensorFlow
Data Visualization: Matplotlib, Seaborn
Other Technologies: Docker , GCP

PUBLICATIONS

PUBLICATION 1: "Determining Land use and land cover changes and predicting the growth of Dhaka, Bangladesh using remote sensing and GIS techniques", **Malaysia, ICESSAT 2018**
URL : https://iopscience.iop.org/article/10.1088/1742-6596/1152/1/012023
PUBLICATION 2: "Change detection of the Sundarban part of Bangladesh using remote sensing and GIS techniques with Machine learning algorithms", **Germany, IAC 2018.**
URL: https://iafastro.directory/iac/paper/id/47723/summary/

PROFESSIONAL EXPERIENCE

Software Engineer, FernTech Solutions Ltd. Dec 2020 - Present
-Creating a completely new social media platform for an emerging market.
-Designing the application core backend along with implementations of the aligned solutions in the platform.
-Working with relational and implementing features to improve performance of analytical workloads.
-Working with R&D team, to evaluate emerging Technology and market trends to assist in project development.

Software Engineer, AsianTech July 2020 - Nov 2020
-Creating new web functionality, train and test AI models on the IOT platform.
-Collaborate with AI engineers and frontend developers to implement solutions that are aligned with and extend shared platforms and solutions.
-Designed single sign-on with Identity and Access Management using Keycloack.
-Train, manage and provide guidance to Intern software development engineers.

Trainee Artificial Intelligence Engineer, Hiperdyne Corporation, Oct 2018 - May 2019
- Created algorithms using Python, NumPy, and Pandas to filter data collection results.
- Created data visualization graphs and charts to make meaning of data.
- Implemented data mining strategies to build a database of meaningful data.

Research Assistant, LASET, BRAC University, June - Sept 2018
- Built, processed, visualized, and prioritized environmental and social geospatial data for urban and rural areas of Bangladesh.
- Created a Python script to upload and update the researched data.
- Built a script with machine learning techniques for predicting the future growth of urban and rural areas of Bangladesh.

EDUCATION

Bachelor of Science in Computer Science Relevent Coursework : TensorFlow , Numpy
BRAC University, December 2017

COURSES

- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Coursera, May 2020
- Structuring machine Learning Projects, Coursera, June 2020
- Neural Networks and deep learning , Coursera, April 2020

EXTRA'S(AWARDS, CERTIFICATIONS & ACHIEVEMENTS)

- Researcher and lead software developer, BRAC University Robotics Club, December 2013 - May 2016
- Exchange Student, Computer Science, Kent State University, OH, USA , August - December 2016 Administrated by World Learning and sponsored by the US Department of State's Bureau of Educational and Cultural Affairs.
- Regional Winner, AEIF -2017 Project Title: Learning English- Pathway to progress under category "Education and Inclusion: Pathways to success" URL : https://goo.gl/XWRtwq
- Android development program under ICT ministry, December-2013, Venue-UIU, Dhaka, Bangladesh.