Abdullah Habib Biswas

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Software Developer Generalist with a variety of hands-on experience.

TECHNICAL SKILLS

Languages: Python, C, Java, NumPy, Pandas, Matplotlib, MySQL, Html, Css, JavaScript.

Framework & Tools: Git, OpenCV, Spark, Hadoop, MapReduce.

Networking Protocols: TCP/IP/UDP, HTTP, IPv6, Ethernet, VLAN, ACL, IPS/IDS, NMS.

Machine Learning: Classification, Regression, Clustering, MLlib, scikit-learn.

WORK EXPERIENCE

UpWork, Freelancing - Independent Software Engineer   AUG 2018 - PRESENT

- Freelancing Machine Learning and Software Development projects.

LSICE, IU Bloomington - Research Assistant   NOV 2017 - JUN 2018

Researched Dynamic Background Subtraction from image data sequence using Machine Learning.

- Investigated different techniques using single-class SVM and CNN.

Deepen AI, Sunnyvale - Machine Learning Engineer   AUG 2017 - NOV 2017

Worked on a 3D Point Cloud Processing tool, which creates object boundaries and annotates them to facilitate computer vision training for autonomous vehicles and robotics. Used Qt, PCL, and C++.

- Debugged and fixed 40+ critical bugs in the tool and helped improve overall quality.

MentorResource.com, Bloomington - Software Developer (Part-time)   AUG 2016 - NOV 2016

Worked on the development of the Student Mentor professional networking platform using Java.

- Developed functionalities to group the survey questions, normalize them, filter mentors for a student, and apply the Pearson Correlation function to find the top three matching mentors for a student.

PROJECTS

Weather Now: The Current Weather Web App *(Html, Css, JavaScript)*

Built a Web Application to display city wise current weather. Deployed it on the Render.

Tomato Leaf Disease Detection using CNN *(TensorFlow, Python)*

Developed CNN model to detect Tomato leaf diseases from leaf images and deployed on the Render.

- Achieved **84.79%** accuracy.

Hadoop Projects *(Java, Hadoop)*

- Implemented parallel version of PageRank algorithm using Java and Hadoop MapReduce Framework.
- Developed index table using HBase and built a Search Engine using the index table and the PageRank.

EDUCATION

Indiana University Bloomington, USA   M.S. in Data Science - 3.39/4.0

Jadavpur University, Kolkata   M.E in Computer Science - 76.9/100

NIT, Durgapur, India   B.E in Computer Science - 75.9/100