

Md Ashraful ISLAM

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📍 House 385, Mirpur DOHS, Dhaka 1216, Bangladesh

B.Sc in CSE with four years of experience in machine learning, data science, big data, data mining, recommendation system, AWS services and software development; highly interested in machine learning based research area

💡 RESEARCH INTERESTS

- Natural language processing, Natural language understanding
- Deep Learning, Computer vision
- Artificial Intelligence, Machine Learning
- Big Data, Data Science

🎓 EDUCATION

- 2015 **Bachelor of Science (BSc) in Computer Science and Engineering**, Shahjalal University of Science and Technology - Sylhet, Bangladesh
- Graduated with CGPA 3.65/4.00
 - Graduated in Top 4% of Class with Rank 3rd
 - Coursework in Machine Learning, Artificial Intelligence, Basic Statistics & Probability, Discrete Mathematics, Theory of Computation, Data Structure, Algorithm Design & Analysis, Advance Data Structure & Algorithm, Digital Signal Processing, Compiler Construction, Microprocessor & Interfacing, Computer Architecture, Calculus, Complex Variables, Laplace Transform and Fourier Series

📖 PUBLICATIONS

- 2019 Md Mahadi Hasan Nahid, Md Ashraful Islam and Md Saiful Islam. Comparison of VQ and GMM for Text Independent Speaker Identification System for The Bengali Language. International Journal of Computer Applications 178(47):18-21, September 2019.
- 2018 Md Mahadi Hasan Nahid, Md Ashraful Islam and Md Saiful Islam. Comprehending Real Numbers : Development of Bengali Real Number Speech Corpus. arXiv:1803.10136v1 [eess.AS] 27 Mar 2018
- 2016 Md Mahadi Hasan Nahid, Md Ashraful Islam and Md Saiful Islam. A noble approach for recognizing Bangla real number automatically using CMU Sphinx4. 2016 5th International Conference on Informatics, Electronics and Vision (ICIEV), Dhaka, 2016, pp. 844-849.

☰ COMPETENCIES

Skills	Big Data, Data Mining, Machine Learning, NoSQL, GraphDB, Relational DB, AWS Services
Languages	Python, Java, SQL, Gremlin, C
Technologies	Apache Nutch, Elasticsearch, Apache Solr, Apache Hadoop, Apache Spark, AWS Lambda, AWS S3, AWS API Gateway, AWS ECS, AWS EMR, Regex
Databases	Apache Cassandra, JanusGraph, MySQL, Amazon DynamoDB

👛 EXPERIENCE

Dec 2017 Present	Software Engineer, DATA TEAM, Goava Sales Intelligence AB An insight tool for the B2B salesperson <ul style="list-style-type: none">➤ Developed find similar companies service➤ Developed Goava relevant score service➤ Developed prospector company list service➤ Worked on highly extensible, highly scalable Web crawler Apache Nutch to continuously crawl and parse text from Swedish companies website and index it to S3 and Elasticsearch➤ Data mining from crawled companies website to extract title, description, image, employees info, social media links etc <div>PythonElasticsearchMySQLApache SparkApache NutchAWS LambdaAWS ECSAmazon DynamoDB</div>
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Sept 2015	Big Data Developer, BIG DATA R&D TEAM, IPVision Canada Inc
Nov 2017	<p>IPVision Developed a Multi-Dimensional Social Network named RingID.</p> <ul style="list-style-type: none"> > Research and Developed Trending Media service > Research and Developed Similar Media service > Research and Developed Graph Search > Research and Developed Bangla Phonetic Search > Developed RingID APIs in Distributed, Linear scalability, high availability NoSQL database Apache Cassandra <p>Java Apache Cassandra Apache Solr Apache Hadoop MySQL Shell Scripting</p>
Jan 2013	Android Developer, ANDROID TEAM, Webcraft Bangladesh
Jun 2013	<p>Part Time Android Developer.</p> <ul style="list-style-type: none"> > Developed Android Live Radio App > Developed ESL Café Podcast App > Developed Amazing Photography App > Developed Android Live TV App <p>Java Android SDK</p>

PROJECTS

BANGLA SPEECH RECOGNITION SYSTEM	2014-2015
This was the first Bangla Speech Recognition System which translate Bangla spoken word into text	
Java CMU Sphinx Matlab	
ROAD ACCIDENT DATA RETRIEVE ANALYSIS AND VISUALIZE	2014-2015
Automatically Crawl news, separate accident news, find the location of accident occurrence and plot the location	
Java Cosine Similarity KNN Google Maps	
AUTHORSHIP IDENTIFICATION	2014-2015
Try to find authorship of a given blog	
Java Naive Bayes classifier Stylometry	
NEWS CATEGORIZATION	2014-2015
Automatically assign a category of news by the content of that news	
Java Naive Bayes classifier	
BANGLA POS TAGGER	2013-2014
Automatically tag part-of-speech of Bangla sentence	
Java HMM	
SPEAKER RECOGNITION	2013-2014
Automatically Identify person who is speaking by the characteristics of their voices	
Matlab	

ACHIEVEMENTS

2019	9K+ Reputation in StackOverflow, Top Tags : Cassandra, Java, Solr
2015	Champion, Code Warriors' Challenge, 2015, Mobile Application Development
2014	Widespace Scholarship
2014	Champion, Code Warriors' Challenge, 2014, Mobile Application Development
2014	Champion, Sylhet zone, National Mobile Application Awareness and Capacity Development Program
2012	University Merit Scholarship Second Year
2011	University Merit Scholarship First Year