

S M RAJU



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OBJECTIVE

A highly self-motivated Computer Science graduate currently seeking a position in a creative and dynamic work environment where I can learn and build a long-term career as well as contribute to the growth of the organization with my skills.

EDUCATION

Bachelor of Computer Science – Major in Artificial Intelligence and Data Analytics 09/2015 – 08/2019
International Islamic University Malaysia
Gombak, Malaysia CGPA - 3.64/4.00

Higher Secondary Certificate Examination 2010 – 2012
Milestone College
Dhaka, Bangladesh GPA – 5.00/5.00

Secondary School Certificate Examination 2005 – 2010
Baruakhali High School
Dhaka, Bangladesh GPA – 4.88/5.00

WORK EXPERIENCE

Full Stack Developer Intern 04/02/2019 – 31/07/2019
Maxis Broadband Sdn Bhd

- Worked on an internal Maxis chatbot named Squiggy using Dialogflow which is based on AI, NLP and Angular as front-end Framework, .NET Framework as backend server. Squiggy chatbot is only for Maxis employee to chat about Maxis deals, policies, get details of all Maxis products. Most important feature is room booking to help employees.
- Assisted in Squiggy chatbot integration with LifeAtMaxis mobile app.
- Developed Face Rekognition System responsive application to verify employee using AWS, NodeJS, VueJS where AWS services used such as Lambda Function, S3, API Gateway, DynamoDB.
- Developed live streaming face rekognition with lambda function using NodeJS, created database table to store the image with S3 bucket. After successfully recognize the person will get a push notification via LifeAtMaxis mobile app. Live video streaming is handled by android SDK application where we connected Cognito service to invoke lambda function.
- Developed Exchange Web Service(EWS) features using C# to create new appointment, cancel appointment, find all appointment, check availability for next 24 hours.

Article Peer Reviewer

IEEE Access

01/2019 - Present

- The task is to assist the peer review of IEEE Access articles.
- To make decision either accept or reject in 7 days and submit valuable feedback to the editors and the authors.
- Areas of expertise for Articles: AI, Machine Learning, Deep Learning, Data Analytics.

TECHNICAL SKILLS

Languages:	C++, C#, Python, R, Java, JavaScript, PHP, JSON, XML
Framework & Libraries:	.NET Framework, Angular Framework, Microsoft Bot Framework, Anaconda, TensorFlow, Spark, PyTorch, OpenCV etc.
Chatbots:	Google Dialogflow, Microsoft chatbot
Databases:	SQL, MySQL, DynamoDB
Tracking/Testing:	JIRA
Architectures:	RESTful API, Microservices
Version Controls:	Git, Bitbucket
Cloud Services:	Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)
Software & Tools:	Visual Studio, Postman, Tableau, Microsoft Office, Orange, Android Studio, Rapid Miner, Power BI etc.
Operating Systems:	Windows, Unix
Front End:	HTML5, CSS3, jQuery, Angular, VueJS, TypeScript
Back End:	.NET, NodeJS

SOFT SKILLS

- Strong communication, interpersonal, and presentation skills.
- Strong leadership skills; able to prioritize, delegate tasks, and make sound decisions quickly.
- Strong analytical skills and a broad range of computer expertise.
- Problem-solving skills; able to identify problems and implement corrective processes.

LANGUAGES

English	Bengali	Hindi	Malay
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INTERESTS

Software Development Artificial Intelligence	Application Development Cloud Specialist	Machine Learning	Data Analysis
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CERTIFICATES AND AWARDS

Dean List
IIUM Ummatic Scholarship

Certificate of Reviewer Contribution(IEEE Access)
F-Secure Cyber Security Competition Malaysia

PUBLICATIONS

- **S. M. Raju** and M. S. Islam, "Impact of Gaming on Children. Intellectual Development and Higher Cognitive Abilities" GRIN Verlag, December 29, 2017
- A. M. Tarif, **S. M. Raju**, M. A. A. Ashik, M. S. Islam and T. Tahera, "Self-Driving Car Simulation using Adaboost-CNN Algorithm " GRIN Verlag, January 14, 2018

RESEARCH PROJECTS

Real-Time Prediction of BITCOIN Price using Machine Learning Techniques and Public Sentiment Analysis (Submitted: *Elsevier*, Status: *Under Review*, Initial Submission: 01/02/2019)

- To predict bitcoin price with maximum efficiency using LSTM and ARIMA.
- To compare between ARIMA and LSTM to find which is the best efficient algorithm for predicting bitcoin price.
- To ensure less risk and more profit for investors.

Fight Against Malaria Epidemics in Africa

- To build a detection system for malaria parasites from image dataset.
- Used CNN to classify image patches and compared with ERT(Extremely Randomized Trees).

Twitter Sentiment Analysis using SVM and Maximum Entropy Model

- Analyzed 'Apple' sentiment from twitter data.
- Machine learning algorithms: SVM and Maximum Entropy Model.
- To compare the performance, evaluated the algorithms using accuracy, precision, recall and F-measure.

Handwritten Digit Recognition

- Recognition of digit from the input image used Convolutional Neural Network.

REFERENCES

Available upon request.