

Shreyalaxmi Talukdar

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TECHNICAL SKILLS

Languages: Java, Python, C++, C, SQL, HTML

Tools: GIT, Eclipse, Android Studio, Packet Tracer, EdSim51, Wireshark, Keil, Uvision, Visual Studio Code, MATLAB

Application Server: Apache Kafka, MY SQL

Database Applications: SQL Server, MY SQL, No-SQL

Cloud Platform: Amazon web services, Microsoft Azure

Frameworks: Python Flask, MVC

EXPERIENCE

Interned at Indian Institute of Technology (IIT), Guwahati

JUNE 2019 - AUGUST 2019

- Real-Time Hand Pose Recognition & Tracking: Using Kinect Sensor for Interaction with DOBOT 4-DOF Robotic Arm
- Represented the second development of DOBOT Magician using Python and Image data acquisition with Kinect V2 and MATLAB R2019a
- Showed the usage of depth sensor Kinect V2 for skeletal data acquisition and control the DOBOT Magician using the pose of the human hand

PROJECTS

• Analysis of Streaming Information using Publisher-Subscriber Architecture

1. Transmission of messages between the publisher and subscriber, implemented machine learning for analysis and future prediction
2. Also did a comparative study between Apache Kafka and RabbitMQ

• Voice Controlled Mirror, Internet of Things

1. Created a mirror that uses Natural Language Processing and Speech Recognition to provide information to the user
2. Added a variety of use cases like Date, Weather, Holidays, Jokes, Compliment, Gratitude, Emotions and Graphics to enhance usability

• Music Service API, Web Development

1. Created a Music Service API using Django Rest Framework and Python to manage one's own playlist
2. Added access controls to different users to enhance security and learnt about Django Rest Framework in the process

INDUSTRIAL VISIT

- Visited Oil India Limited (OIL), Duliajan and learned about the oil company engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of LPG
- Assam State Electricity Board, Guwahati and observed how ASEB develops, manages and maintains the electricity distribution in the state of Assam and nearby areas
- North East Powerline Industries, Guwahati and found out how they supply Eco-Friendly Alternate/ Standby power solution
- Varun Beverages Limited, Guwahati and learned how the processes like manufacturing, selling, bottling and distribution of beverages takes place

EDUCATION

Master of Science in Computer Science

JAN 2021 - Present

University of Texas At Arlington, Texas

Coursework: Machine Learning, Data Mining, Data Analytics & Modelling, Advance Database, Design & Analysis of Algorithm, Web Data Management

Bachelor of Computer Science and Engineering

AUG 2016 - OCT 2020

Assam Don Bosco University, Guwahati

HONORS, ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Secured position among top 4 teams in National Level Championship Programme and Workshop on Andro Engine, organised by Indian Institute of Technology, Hyderabad
- Participated in a 3 days workshop on Blockchain organised by Assam Don Bosco University
- Participated in Entrepreneurship Awareness Camp in collaboration with DST, Govt. of India
- Class Representative of the batch of Computer Science and Engineering Department of Assam Don Bosco University
- Executive Member in Web Designing Club and Photography Club
- President of the University Cultural Club of Assam Don Bosco University
- Conducts and teach the underprivileged students from 8th to 10th standards under the National Service Scheme (NSS)
- First female pianist to be mastered under The Associated Board of the Royal Schools of Music (ABRSM), London from Northeast India
- A Singer, Pianist and Composer and has been certified by The Associated Board of the Royal Schools of Music (ABRSM), London in Piano (grade 8) and Western Classical Music, Vocal (grade 7)
- Released music album - 'Khoj', the step being the singer, composer, lyricist and starrer
- Certified in Music Theory as well under ABRSM, London

