

Meghali Nandi

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EDUCATION

M.Tech in Computer Science and Engineering

Indian Institute of Information Technology, Guwahati

2021-2023 CGPA: 9.45

B.E in Computer Science and Engineering

Assam Engineering College, Gauhati University, Guwahati, Assam

2015-2019 Percentage: 81%

CLASS XII (ISC Board)

Sanskriti the Gurukul, Guwahati, Assam

2014 Percentage: 89.5%

CLASS X (ICSE Board)

Sanskriti the Gurukul, Guwahati, Assam

2012 Percentage: 90.5%

SKILLS

Development Languages

- C++
- Java
- Python
- Scala

Big Data Technologies

- Hadoop with Spark and Scala

Web Development frameworks

- HTML / CSS
- Angular10+
- ReactJS
- JavaScript
- JQuery
- NodeJS
- Django

Database languages

- MySQL
- MongoDB
- Hive

Miscellaneous

- Git
- Jenkins

PUBLICATIONS

- └ A Framework for Maintaining Citizenship Record on Blockchain | BSCI 2019
- └ A land registration framework on Blockchain | ISEA-ISAP 2020

CERTIFICATIONS

- Deep Learning from Coursera | Andrew Ng
- Deep Learning A-Z from Udemy | Kirill Eremenko, Hadelin de Ponteves

WORK EXPERIENCE

Walmart Global Tech India

June, 2022 – September, 2024

Location: Chennai, India

- Implementing full scale data pipelines from ingesting from source to Google Big Query using transformations in Spark and Scala.

Alation

January, 2022 – June, 2022

Location: Bangalore, India

- Implemented the SDK for Snowflake connector with policy tags and protobuf features along with the implementation of ingestion using Kafka.
- Implemented the feature for obfuscation of literals for masking of sensitive information in queries.

Zaloni, Inc

Zaloni, Inc. is a provider of data management software.

August, 2019 – January, 2022 Location: Guwahati, India

- Implemented product features in Java and Spring Boot based on Hadoop and Spark jobs whereby customer data can be loaded, filtered and run Hadoop and Spark jobs.
- Worked on the feature where users can define and load custom data and run ETL pipelines for large datasets.

INTERNSHIPS

Indian Institute of Information Technology, Guwahati

| June 2018

- Researched and developed citizenship record keeping on Blockchain for distributed and trusted record keeping with a reduced cost of 54%.
- Researched and developed Land registration framework on Blockchain for dispute-free ownership of land with a reduced cost of 96%.

TechVariable, Guwahati

| December 2017

- Developed a decentralized application for movie rating.

Indian Institute of Information Technology, Guwahati

| June 2017

- Built a mail server app for data analysis on the emails received in a particular email box.
- The web application provided a single view of the data received by a user.

PROJECTS

Image-Stack

- An authenticated, optimized and effective image gallery where users can upload multiple images and directories with parallel execution along with lazy loading of images in gallery.
- The effectiveness and security of the application is additionally brought with the use of worker pool and Sequelize ORM.

Intuition-net: Segmentation out-painting using video sequence

- The application tries to predict a future segmentation mask of an image based on previous snapshots of the same instance using Hundred Layers of Tiramisu model.
- The application achieved a 0.5 second of future mask prediction with the Highway Driving dataset.

Generating Handloom Designs using Generative AI

- The system addressed the problem of scarce popularity of Assam Handloom industry by inculcating popular saree designs on traditional Assam silk material using DiscoGAN and CycleGAN.