

SHRIJA MISHRA

shrja.mishra102@gmail.com ♦ (+91) 8670820189 ♦ LinkedIn - <https://www.linkedin.com/in/shrijamishra/>

EXPERIENCE

MICROSOFT INDIA (SOFTWARE DEVELOPMENT ENGINEER)

June 2017 – Present

Integral role in designing and developing an intelligent data platform which handles ingestion, compute and publish of sales and marketing data across Microsoft. Thus, running a successful business in an effortless manner.

- Key involvement in designing and implementing the compute layer for big data analytics using Spark and Scala to perform preprocessing and business validations.
- Integrated and automated the deployment of the entire ETL pipeline as part of the ingestion and publish framework that enabled a dynamic and seamless consumer experience in onboarding terabytes of data.
- Implemented a system that aggregates marketing profile and activity data of prospective customers with the help of Azure Data Lake Analytics, enabling Microsoft's marketers target the right consumer.
- Integral role in designing and developing a data publishing framework and its services that would provide a platform for the teams across Microsoft to publish their data from different sources to multiple targets.
- Key role in the implementation of the GDPR guidelines and its successful delivery within a strict timeline.
- Developed an application to generate and deploy target SQL schema from metadata files using .NET.

MICROSOFT INDIA (SOFTWARE DEVELOPMENT INTERN)

May – June 2016

- Optimized a Commerce job to improve its efficiency and enabling smoother and faster business analytics.
- Implemented a predictor using machine learning techniques for re-enrollment of Microsoft Partners in the target competency for the Microsoft Partners' Network program, yielding encouraging results.

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (RESEARCH INTERN)

May – July 2015

- Implemented a user authentication system with the help of Line Attribute-Based Feature Vectors of fingerprint images using various fingerprint matching algorithms involving minutiae points on the fingerprint and line attributes joining them.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA

Fall 2018 - Present

Online Master of Science in Computer Science (Specialization in Interactive Intelligence)

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

July 2013 – May 2017

Bachelor of Technology in Computer Science & Engineering, **Gold Medalist**

GPA 9.5/10

PUBLICATION

Emotion Recognition Through Facial Gestures - A Deep Learning Approach

Proposed and implemented a novel Convolutional Neural Network architecture to identify different emotions and their intensity level in a human face utilizing deep learning techniques.

- Published in International Conference on Mining Intelligence and Knowledge Exploration ([MIKE](#) 2017).
- Part of Lecture Notes in Computer Science Book Series ([LNCS](#), Volume 10682)

TECHNICAL SKILLS

Microsoft Azure	Data Lake Analytics, Data Factory, Key vault, Active Directory, Application services.
Programming Languages	C/C++, C#, Python, PowerShell, TSQL, HTML, CSS, Scala.
Frameworks & Tools	OpenCV, .NET Framework, Django, Hadoop, Spark.

EXTRA CURRICULARS

CONVENER (RECURSION - THE PROGRAMMING CLUB, NIT DURGAPUR)

April 2016 – May 2017

- Helped students learn how to code and sharpen their algorithmic skills by conducting weekly classes.
- Problem Setter for coding contests on Codechef and Hackerrank.

ASSISTANT GENERAL SECRETARY (MATHS N TECH CLUB, NIT DURGAPUR)

April 2016 – May 2017

- Created the website for the club
- Conducted coding and technical events as part of ANK - The Knowledge Fest.