

# AMISHA SINHA

503/A, Rebloon Impex, Kantatoli, Ranchi, Jharkhand-834001, India

✉ [amishasinha84@gmail.com](mailto:amishasinha84@gmail.com)

in [www.linkedin.com/in/amisha-sinha-479977158/](https://www.linkedin.com/in/amisha-sinha-479977158/)

☎ +91-7903411295/+91-7550173255  
github.com/amisininha

## **OBJECTIVE:**

Aspiring to pursue a Master's in Computer Science to learn and enhance my knowledge and skills in various aspects of algorithm development and Machine Learning concepts. Post Masters, I intend to implement my acquired knowledge while working with interdisciplinary IT organizations as an expert in Data Science tools. In the long run, I want to develop expert system innovative prediction tools to assist the education and healthcare sectors worldwide.

## **EDUCATION:**

B. Tech in Information Technology, SRM Institute of Science & Technology, Kattankulathur

2016-2020

CGPA: 9.11/10

## **RELEVANT COURSES:**

Algorithm design and analysis, Data Structures, Data Science and Big data analytics, Discrete mathematics for Information Technology, Computer Graphics, Human Computer Interaction, Cryptography, Programming in JAVA.

## **PROJECTS AND INTERSHIPS:**

### **Machine Learning based Early Depression Detection using social media data**

**SRM Institute of Science & Technology**

*Dec 2019- May 2020*

- For early detection of depression in people and curbing the related problems using social media data, worked in a team of 3 using tools like Scrape storm and NLTK.
- Used Bayes theorem, SVM, Random Forest and Logistic Regression algorithm for data modeling.

### **Hand Gesture Recognition using OpenCV**

**SRM Institute of Science & Technology**

*June 2019- Nov 2019*

- Worked in a group of 5 to implement human-computer interaction using an innovative real-time method for hand gesture detection and feature extraction using a webcam.
- Pre-processed real-time input images to remove noise.
- Hand region was extracted using background subtraction method and palm/fingers were segmented and finally convex hull method was used to recognize the fingers.

### **Trip Advisor System**

**SRM Institute of Science & Technology**

*June 2019- Nov 2019*

- Worked independently to develop a user-friendly interface for potential travelers to assist in planning a perfect trip and showing recommendations for hotels, flight tickets, and destinations as per their budget and span of vacation.
- Used HTML for designing the user interface, XML to describe the user data, and PHP for server-side scripting.

### **Intern at Research & Development centre for Iron and Steel, Ranchi, India**

*Dec 2018- Jan 2019*

- Developed an Employee Management System for the Human resource department of the organization.
- Worked independently and used HTML/CSS for front-end designing which included modules for both employee and admin dashboard that included many webpages for admin and employees to view and update information regarding profile, leaves, and salary revision.
- Used MySQL database for data storage and phpMyAdmin for database connectivity.

### **Intern at Research & Development centre for Iron and Steel, Ranchi, India**

*May 2018- June 2018*

- Developed a Library management system for the Iron and Steel research centre of Steel Authority of India (SAIL).
- Worked independently and used JAVA swings toolkit for GUI and JDBC for application programming interface.
- Established myself as a diligent trainee thereby receiving another opportunity for an internship at the organization.

## **EXPERIENCE:**

### **Software Engineer at *BridgeSGI Solutions India Pvt. Ltd, Bangalore, India***

*July 2020- PRESENT*

- Developed and performed several optimizations of the codebase for flawless OMS implementation as a Software Engineer for a major upscale chain of department stores based in Mexico (in partnership with Fluent commerce).
- Used tools and languages like JAVA 8, Maven, GraphQL, JSON, Postman, and Insomnia.
- Built significant client relationships resulting in contract extension and adding a valuable asset to the firm.
- Solved critical issues raised by clients by seamlessly coordinating with the team and the client.

### **Software Engineer Intern at *BridgeSGI Solutions India Pvt. Ltd, Bangalore, India***

*Jan- June 2020*

- Worked as a front-end developer for an in-house project 'Magnum' an online assessment, courses, and certification platform for the employees.
- Implemented ReactJS 16.0 with Django 2.2.0 for front-end and back-end development.
- Worked as a front-end developer for the project- 'The Personal Shopper' a personal style recommendation platform for customers, with customized dashboards for both customers and stylists, and integration with microservices and RabbitMQ software.
- Used ReactJS for the front-end development integrated with the Rabbit framework and dockerized the application to allow the application to be commuted easily between environments.

## **TECHNICAL CERTIFICATIONS / PAPER PUBLICATIONS:**

- Machine Learning based Detection of Deceptive Tweets on Covid-19  
Published at *The International Journal of Engineering and Advanced Technology (IJEAT)*  
Volume 10-Issue 5, ISSN: 2249-8958 DOI: 10.35940/ijeat.E2831.061052 *June 30 2021*
- The Complete Node.js Developer course, Udemy *September 2021*
- AWS Fundamentals: Going Cloud-Native, Coursera *May 2020*
- Learn Cloud Computing from Scratch for Beginners, Eduonix *May 2020*
- Cloud computing Application: Cloud system and Infrastructure, Coursera *April 2020*
- Introduction to Programming Using Python, Coursera *Feb 2019*
- Introduction to Big data, Coursera *August 2018*

## **ACTIVITIES AND ACHIEVEMENTS:**

- Writer at Writerscave.org *Jan 2020- PRESENT*  
Poetry writing in narrative and dramatic genre.
- Attended "The Python Workshop" by Packt E-Learning *June 2021*
- Top Academic scorer in 8th Semester: 10/10 GPA *May 2020*
- Participated in In-house Hackathon contest at Bridge Solutions Group *Feb 2020*
- Among the top 2% scorers in 5th Semester: 9.85/10 GPA *Dec 2018*
- Trainee at Bharat Sanchar Nigam Limited (BSNL), Ranchi *Dec 2017-Jan 2018*  
ASP.NET training on Introduction & Control, Architecture, working with User control, Validation controls & web caching