CURRICULUM VITAE

CONTACT INFORMATION:

Surili Chawla +91-2382257665 chawlasurili@gmail.com **EDUCATION:**

Qualification/Degree	School/College	University or Board	Year	Percentage/ CGPA
MTech (CSE with specialization in Data Analytics)	Jaypee Institute of Information Technology, Noida	Jaypee Institute of Information Technology	2019-2021	9.0
Bachelor of Engineering (CSE)	Chitkara School Of Engg. & Tech., Himachal Pradesh	Chitkara University	2014-2018	8.1

WORK EXPERIENCE:

Infosys Limited, Chandigarh **(July,2021-Present)**

I worked on Data Visualization, Data Analytics, Observability, Monitoring and Alerting as a Systems Engineer. My role revolved around understanding the client requirements and creating dashboards using the streaming data from data sources like elastic search, Prometheus and Thanos. Identifying and selecting best representations/visualization in Grafana to depict the required information helped the client in making critical business decisions with respect to Availability SLOs. Also, worked on creating complex elastic search queries based on client requirements. Creating dashboards/visualizations in AWS Kibana. Researched and worked on Index Rollup and Index Transform features in AWS. Tools/Languages used- Python, AWS open search/elasticsearch, AWS Kibana, Grafana,Thanos, Prometheus.

Skills: Grafana · AWS Elasticsearch · Analytics · Research · Data Visualization · Python (Programming Language) · Pandas (Software) · Data Analytics · AWS Services · AWS Kibana · Thanos · Prometheus

EXL Services, Gurgaon **(June, 2018-January, 2019)**

I have worked as a Reporting Analyst at EXL Services, Gurgaon. I gained tremendous knowledge of the Insurance Domain, while working with a major US Client in the Claims Research Department at EXL. I worked on Data Profiling and Data Visualization using Pandas Profiling in Python on Insurance Claims Data. My role revolved around analyzing, reporting, visualizing and performing exploratory data analysis on insurance claims data. Pre-processing the data, handling missing values, and carrying out statistical analysis was a major part of the project. Also, deriving meaningful patterns and information, drawing conclusions and correlations from the data helped the client in making business decisions.

Skills: Analytics · Research · SAS Programming · Statistics · Data Visualization · Statistical Modeling · Python (Programming Language) · Pandas (Software) · Data Analytics

TRAININGS AND INTERNSHIPS:

- **Underwent 6-months Data Science Internship at Wisteli Informatics Pvt. Ltd, Noida (June, 2020-Dec, 2020)**

The internship involves work in the Data Analytics, Cloud and Natural Language Processing domains. I worked on a Document Classification Project using Python and AWS services like Comprehend, S3 and Lambda for Healthcare Data. It involved Building a multi-label custom classifier which would categorize medical documents into predefined labels/categories. Also, worked on unsupervised Machine Learning Algorithms like K-Means Clustering.

Skills: Artificial Intelligence (AI) · Analytics · Research · Machine Learning · Statistics · Data Science · Statistical Modeling · Python (Programming Language) · Data Analytics · Machine Learning Algorithms · k-means clustering · Natural Language Processing · AWS Comprehend · AWS S3

- **Underwent 3-months Java Full Stack Internship at Infosys, Mysore (Feb, 2021-May, 2021)**
  The training involved hands-on learning in Java, Spring Boot and Angular. It was a rigorous training process which involved the implementation of a live project at the end. I created a real time Auction Management System which provided three kinds of roles to the end users namely- bidders, sellers and the Admin. The main aim of building this project was to design a platform to automate the process of bidding/auctioneering.

  Skills: Angular · Java (Programming Language) · Spring Boot

- **Underwent Industry Oriented Programming Training at Chitkara University (June, 2017)** Programming concepts were taught by trainers from Amphisoft Technologies, Coimbatore, India. As a part of the training, multiple coding questions were solved on the E-Box platform.

  Skills: C (Programming Language)· OOPs Concepts · Data Structures

- **Underwent 3-months Java Training at Coder's Point, Panchkula (February, 2017-April, 2017)** The training involved the understanding and implementation of basic concepts of Core Java. It was an exposure to fundamental programming concepts, including Object-Oriented Programming (OOP) using Java. Skills: Java Core (Programming Language) · OOPs Concepts · Multithreading

PROJECTS:

- **Project made: Numerical Weather Prediction (January, 2020-May, 2020)**
  The main aim of creating this project was to design a model which would perform Time Series Analysis on the weather data collected from IMD. This analysis would help in making predictions about the future weather conditions that would prevail in any given area. The model uses various time series analysis models like ARMA AND SARIMA. An Artificial Neural Network is trained using Particle Swarm Optimization, which is an evolutionary algorithm. Technologies used: Python (Programming Language), HBase (Database)
- **Project made: Insurance Fraud Detection (July, 2019-December, 2019)** The main aim of creating this project was to design a model which would aid in identifying the Fraudulent Claims made by the Clients in the domain of Auto-Insurance. K-Means Clustering Algorithm was used to identify the outliers. Technologies used: Python (Programming Language), Cassandra (Database)
- **Project made: Designed a Desktop Application on OnlineVoting System (January, 2016-May, 2016)** A project in Java for the development of an online system of voting, which would serve both the voters and administrators. The main aim of developing the project was to save time and make the voting process easier. Technologies used**:** Java (Programming Language), My SQL (Database)
- **Project made: Auction Management System (February, 2021-May,2021)**
  A project in Java for the development of an online system of auctioning. The system served three types of roles like Admin, Bidder and Seller. The main aim of developing this project was to automate the process of auctioneering, making the process more efficient and time saving. Technologies used: Java (Programming Language), Angular

PROFESSIONAL SKILLS:

Technologies/Languages:

- Python for Data Analytics, libraries like numpy, pandas, matplotlib, seaborn, etc.
- Data Analytics
- Data Science
- Artificial Intelligence
- Research
- Machine Learning
- Natural Language Processing
- Deep Learning
- R
- SAS
- Statistics for Data Science
- RDBMS: My SQL
- No SQL- Hive, Cassandra, HBase, MongoDB, Redis Graph, NuoDB; Graph db:Neo4j
- AWS Elasticsearch/Opensearch
- AWS services like S3, Comprehend, EC2, SNS, SQS
- Visualization Tools- Grafana, Kibana
- Observability and Monitoring- thanos, prometheus
- Reporting tools like MS Excel along with other MS Office Applications
- C
- C++
- JAVA
- Spring Boot
- HTML
- Javascript
- Angular
- CSS

Online Certifications :

- A Data Science Course 2020: Complete Data Science Boot Camp from Udemy in 2019
- Time Series Analysis in Python from Udemy in 2019
- Computer Science 101(Online Course), Stanford University in 2015
- MOOC Course on Innovative Idea Generation, Iversity University in 2014

(Surili Chawla)