VARSHAA SHREE

FAIFAX, VA |+1–7034532425| varshaashree7@gmail.com | https://www.linkedin.com/in/vs-1306/ | GitHub

EDUCATION

George Mason University, Fairfax, Virginia, the United States of America ***Expected Dec 2022***

Master's In Science Computer Science *4.0/4.0*

Birla Institute of Technology, Pilani, India ***Aug 2019- Jul 2021***

Master's In Technology in Software Engineering

Visvesvaraya technological university, Bangalore, India ***Aug 2015- Jul 2019***

Bachelor of Engineering Computer Science Engineering

SKILLS

Programming/Scripting Languages	: Java, C++, Python, JavaScript, Node.js
Frameworks and Tools	: Spring Boot, SAP HANA, POSTGRE SQL, MONGO DB
Deployment Tool	: Docker, Jenkins, Git, Kubernetes

PROFESSIONAL EXPERIENCE

George Mason University - Graduate Teaching Assistant ***Aug 2021 – present***

- Working as Graduate Teaching Assistant for Information Science and Technology Department for two classes 'Programming Concepts with Java' and 'Object-Oriented Concepts with Java' of close to 30 students each.

SAP LABS INDIA - *Associate Developer* ***Jan 2021 – Aug 2021***

Business Network (BI)

- Built Restful API's using **Scala and Java** to enhance features for product business networks. Also used tools Kafka and Redis

SAP LABS INDIA - *Scholar* ***Aug 2019 –Dec 2020***

TEAM 1: SAP Artificial Intelligence Foundation (AIF)

- Designed a normalized database for Artificial Intelligence Foundation, built 13 Restful APIs to fetch information from Database using **python flask, and deployed using docker.**

Collaboration with the Indian Institute of Science (IISc)

- Participated in the collaboration between the Indian Institute of Science (IISc) and SAP Labs India to build a City-Scale Epidemic Simulator to track the spread of certain cities.

TEAM 2: SAP Project Intelligence Network (PIN)

- Worked on building a web application using SAP UI5 a framework built over **java script**

UNILEVER - Intern ***Jan 2019 – Jun 2019***

- Developed 10 processes using process automation using Blue Prism which reduced manual entry by 76%, applied ML algorithms for noise detection. Analyzed sales for product Lakme in Asia region using ML algorithm of Density-based spatial clustering to detect noise achieved an accuracy of 77%

MINDTREE - Intern ***Jan 2018 –Feb 2018***

- Developed sentiment analysis system for analyzing employee review

ACADEMIC PROJECTS

Huntington's Disease Prediction ***Aug 2021 – Dec 2021***

- Built a ML prediction algorithm to determine chances of occurrence of Huntington's Disease given gene protein data.

Cardiovascular Disease Prediction using ML techniques ***Mar 2019 - Apr 2019***

- Developed a system to analyze heart diseases using Support Vector Machine, Logistic Regression, Random Forest & Naïve Bayes by splitting the data into train & test data. Choose the algorithm with the highest accuracy in this case Random Forest. The model provided an accuracy of 87%

  Paper link: A Cardiovascular Disease Prediction using Machine Learning Algorithms

Twitter Sentiment Analysis ***May 2018- Aug 2018***

- Developed a system with a list of positive & negative words to analyze tweets based on desired words & analyses sentiment of users using R. The model worked based on an increase for every positive word & decrease for every negative word to maintain an overall count of 0 for a neutral tweet; achieved 82% accuracy.