

SRINIDHI KARICHARLA

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SUMMARY

Graduate student of Applied Machine Intelligence from Northeastern University and a motivated Software Engineer with strong Bigdata background and more than two and a half years of experience in data modelling and writing Map Reduce algorithms; Skilled in creating data models and implementing algorithms on diverse sources of data for reporting demand.

WORK EXPERIENCE

Software Engineer, Cerner HealthCare Solutions

(August 2018 – December 2020)

Data Analysis team:

Worked as Software Engineer in Cerner Healthcare Solutions Pvt. Ltd. Responsible for data analysis, design fabrication and end to end Apache Crunch Pipeline implementation for Revenue Cycle Analytics Project. Team involved in creating different reports for revenue cycle of a hospital using Big Data and Hadoop technologies.

Data Formation team:

Worked on Real-Time Big Data Stream processing system using Apache Kafka and Apache Storm, and on Hadoop Ecosystem - HDFS, Yarn, MapReduce, Oozie, Apache Crunch, Hive and HBase.

Software Intern, Nokia R&D.

(Jan 2018 – June 2018)

I have worked as a part of Management and reporting team for a CDN product Velocix, and gained experience of Scrum software management process, I have also worked on some of the Machine learning and data mining concepts during my internship.

EDUCATION

- **Master's in applied Machine Intelligence** from Northeastern University, **GPA: 3.945** **(Dec 2022)**
- **B-Tech, Computer Science**, Amrita Vishwa Vidyapeetham, 2014 – 2018, **GPA: 7.86/10** **(2014-2018)**

TECHNICAL SKILLS

- **Programming languages:** - Java, Python, C++, C.
- **Big Data Skills:** - Map Reduce, Hadoop, Apache Crunch, Apache Storm, Kafka, Vertica.
- **AI/ML Skills:**
 - Data and Quantitative Analysis
 - Decision Analytics
 - Predictive Modelling
 - Machine Learning Algorithms
- **Industry Software Skills:** -
 - Version control software: Git
 - Issue tracking products: Jira and Bugzilla.
 - Collaborative code review software: Crucible.
 - Continuous Integration and development software: Jenkin.

PROJECTS

- **Crypto Currency Price Prediction**
It is a crypto currency prediction project, where I have applied Deep learning models LSTM, GRU on the real time data set extracted using Binance API.
- **Chicago Crime Rate Prediction**
Have worked on evaluating different models like Random Forest, KNN, CNN among other major models for the prediction of crime rate in the city of Chicago.
- **Expert corner for mentorship**
An application to ask questions and get assigned to mentors on wide range of concepts in which Cerner associates are experts in.
- **Movie Recommendations**
During my time in Nokia, I worked on mini project which will recommend movies to a user depending on the genre and tags given in a dataset. As a part of this I used python and some concepts of data mining and machine learning
- **Examination Conductor**
My team and I developed a software in JAVA software which helps conducting examinations.
- **Web Application for college faculty**
I along with a team of 40 members have been working on an application which will help both students and lectures with their academics and workload.
- **Hardware Assembly and configuration of Home Server**
JAVA project in which I had developed a web application that helps with length conversions. and deployed it on the Internet.
Development of real time web-based application with simple unit conversion program, basically, to understand the server configuration, servlet deployment, web hosting.

ACHIEVEMENTS & RECOGNIZATIONS

- **NOTT (Night Of The Town)** award for my performance in Q1 2020
- Have been a part of the team that Won the Q1 2020 innovations award
- Finalists for the Efficiency Team Award for Q4 2019