

Sriram Hariharan Neelakantan

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EDUCATION

- **Northeastern University** Boston, MA
Master of Science in Data Science Sept. 2021 -
- **SASTRA Deemed to be University** Thanjavur, India
Bachelor of Technology in ECE (GPA - 7.948/10) Jul. 2015 – Sept. 2019
- **Devi Academy Senior Secondary School** Chennai, India
Senior Secondary School, Central Board of Secondary Education (CBSE)- Percentage: 91.2 2013 – 2015

EXPERIENCE

- **Bridgei2i Analytics Solutions Pvt. Ltd.** Bangalore, India
Software Engineer July 2019 - May, 2021
 - **Training:** Learnt a handful of backend and frontend technologies, server side configurations in nginx and Apache tomcat. Have constructed ER diagrams, handled and published documentations, worked with RDBMS like PostgreSQL, MySQL and Azure SQL.
 - **Data Science project:** Developed a data analytical web application for an insurance firm, which allows users to study lapse of customers, does lapse/response analysis for marketing campaigns and helps conclude business interpretations. The application also helps users analyze various kinds of data by allowing them to build multiple ML models. Python (FastAPI) forms the backend and is also used for writing algorithms, while ReactJS was used for the frontend. I programmed in both the ends.

PROJECTS

- **Internship: Bridgei2i Analytics Solutions Pvt. Ltd. (Jan'19 – Jun'19):** Been a part of the Smart Applications Team as an Application Developer, my responsibilities included designing and developing webpages, adding validation and features using AngularJS and managing the backend data processing, fetching data from database and storing using PHP.
- **Team-Project (During internship at Bridgei2i Analytics Solutions Pvt. Ltd.):** Developed a web application that helps user choose universities that suits their interests. The user gets to see the Name, location, courses offered, a link to apply to courses with respect to colleges in India. UI displays sorting, filter and flex boxes containing a summary of each college. Tech stack: SQL, HTML, CSS and Javascript.
- **Data Science Project: Predicting Tags for Stack overflow Questions (Text analysis):** The project used Stack overflow data which contained question-answer texts, scores for each question and answer and tags for each question. Used NLTK package to tokenize and lemmatize words in the text to filter and derive meaningful words and vectorize them to form feature set. We used this feature set to predict tags for questions. Machine Learning Models used were- Logistic Regression, SGD Classifier, Decision trees and Random Forest. Performed optimization by tuning hyperparameters.
- **Data Science Project: Predictive Analysis of Hotel booking Data:** The project does classify customer based on who is more likely to cancel their booking. It also predicts best time of the year to book hotels and comes with an optimal length of stay and the least expense. Have used a mixture of models namely Support Vector Machines, ARIMA and Logistic Regression.

ACHIEVEMENTS

- **BU Award:** Was Awarded the best employee in my Business Unit for contributing to both front and back ends of an ML project and received recognition from the project client during my job as a Software Engineer.
- **Certificate:** Certified as an Intermediate level programmer in SQL and Python by Bridgei2i Analytics Solutions Pvt. Ltd.

PROGRAMMING SKILLS

- **Languages:**Java,R, Python,C++,Javascript. Query Languages:MySQL, PostgreSQL, MongoDB
- **Web Technologies:** HTML, CSS, SpringBoot, JavaScript, AngularJS, React, FastAPI
- **Machine Learning Concepts:**Gradient Descent, Linear Regression,Naive Bayes,Logistic Regression, Decision Trees,Random Forest,SVM,Generative models,K- means Clustering, PCA.