

CHAITHANYA SUDHA GUDIPATI

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA

Expected Graduation: May 2024

Master of Science in Data Analytics Engineering

GPA: 4.00/4.00

Relevant Courses: Data Mining, Computation and Visualization, Data Management for Analytics, Cloud Computing

MS Ramaiah Institute of Technology, Bangalore, India

Graduated: May 2019

Bachelor of Engineering in Electronics and Communications

GPA: 9.05/10

Relevant Courses: Advanced Engineering Mathematics, Discrete Mathematics and Probability, Linear Algebra, Python, Data Structures and Algorithms

TECHNICAL SKILLS

Databases: MYSQL, PostgreSQL, MongoDB

Programming Languages: Python, R, SQL, C, JavaScript

Tools & Editors: Power BI, Tableau, Flourish, Data Wrapper, Git, MS Excel, VLOOKUP, Pivot Tables

Packages and Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, NLTK, PySpark, RShiny, ggplot, Plotly

Skills: Data Management, Data Visualization, Data Analysis, Data Modelling (Regression, Classification, Clustering, Text and Time Series Analysis), Statistical Modelling, Trend Analysis, Predictive Analysis, A/B testing

PROFESSIONAL EXPERIENCE

Tata Elxsi, Bangalore

September 2019-August 2022

ML Engineer

- Designed Profitability and Propensity models using unsupervised machine learning techniques resulting in the acquisition of 8M customers.
- Designed and implemented core machine learning evaluation metrics to monitor the performance of recommendation engine.
- Designed 20+ dashboards leveraging Tableau to showcase KPI's to executive management for decision-making.
- Fine-tuned stored procedures and SQL requests to ensure seamless data retrieval from approximate 1M records.
- Created ad-hoc reports by data wrangling and analyzing large amounts of data and made compelling dashboards and presented the story and key insights to senior executives and stakeholders.
- Designed various UI features for an OTT application that has revenue of 10M in team of 10.

Bharat Sanchar Nigam Limited, Anantapur

January 2019-April 2019

Planning Intern

- Classified data using Random Forest, Naïve Bayes, and Logistic Regression model to understand performance of each model and achieved accuracy of ~90%.

ACADEMIC PROJECTS

Default of Credit Card Clients Prediction | Python | Hyperparameter tuning

- Built a machine learning model from 790k data points, conducted various methods dealing with imbalanced classification problems and achieved 92% AUC-ROC by tuning hyperparameters using k-fold cross validation.

Churn Analytics and Prediction | Python | Seaborn | Scikit-Learn

- Implemented various classification algorithms to predict whether a customer churns from service provider and an accuracy of 82% is obtained from Support Vector Machine.

Boston Crime Prediction | Python | Time Series Forecasting

- Analyzed over 590k records and built time series models SARIMA and ARIMA to predict crime rate in Boston and its neighborhood, with MAPE of 15.6% for SARIMA to alert Police, residents and students about potential crime and safety concerns,

Resort Management System Application | SQL | Python | NoSQL

- Developed a database management system in MySQL to store information about resort management, customer and employee details using SQL to store, update and retrieve data.

AWARDS & LEADERSHIP

- Won Bravo Award for showcasing values like “Innovation”, “Persistence” & “Customer First” performance at Tata Elxsi, Bangalore.
- Served as a Team Leader at National Service Scheme and led unit of 50+ volunteers to provide unbiased community service.