KEERTHI BHAVANI GOSIKA

Boston, MA | 617-386-9197| gosika.ke@northeastern.edu | https://www.linkedin.com/in/keerthibhavani1008

EDUCATION

Northeastern University, Boston, MA   Jan 2021 - present
College of Engineering   Expected graduation: Dec 2022
Candidate for a Master of Science in Data Analytics Engineering **(GPA 3.9/4.0)**
Related courses: Algorithms, Machine Learning, Data Mining, Data Management and processing, Computation and Data Visualization
National Institute ofTechnology, Warangal   Aug 2013- Apr 2017
Bachelor of Technology in Electronics and communication Engineering, with First division

WORK EXPERIENCE

Software Engineer, Reliance Industries Limited, Mumbai, India   July 2017 – Dec 2020
- Played a critical role in building an e-commerce platform using Angular.js, Node.js, and MongoDB for handling the data.
- Solely designed and developed APIs using Spring Framework in Java and MySQL database catering to business needs.
- Implemented automated deployment by setting up Kubernetes network and integrating it with Azure dashboard.
- Migrated multiple legacy SOAP APIs to REST API Architecture using .NET framework in C#.
- Developed a reusable SMS API in C# that integrated with one of the largest Telecommunication networks (Reliance Jio) catering to the needs of 6 teams.
- Pioneered and developed an ETL application for handling 1.2 million records of raw data dumped on a weekly basis using efficient SQL queries to reduce data cleansing and processing time from 2 hours when done manually to under 5 minutes.
- Analyzed and documented customer trends using Hive and Zoomdata by collaborating with the Big Data team.
- Proposed and incorporated the usage of Fortify tool to ensure secure coding practices during application development.

TECHNICAL KNOWLEDGE

Languages:	Python, R, C#, Java, C++, TypeScript, JavaScript, Dart
Databases:	MSSQL, MySQL, MongoDB, DynamoDB
Web technologies:	HTML, CSS, Angular, Flutter, Microsoft .NET, Node.js, Spring Framework, Git
Big Data Tools:	Tableau, Hive, Hadoop, Spark, MapReduce, Power BI, Zoom data
Libraries:	Pandas, NumPy, Scikit-Learn, matplotlib, seaborn, TensorFlow, keras, ggplot, dplyr, tidyverse

PROJECTS (https://github.com/keerthi1008/)

Citadel Datathon Summer 2021: (Invited by Citadel)   July 2021
- Preprocessed multiple data sets containing 500K – 1.2M rows and performed extensive EDA. Extracted the most impacting features by computing Pearson correlation coefficients and carrying out stepwise regression. Further, used one hot encoding for categorical features and normalization techniques for the continuous values needed for the predictive model. Built an MLP Regression model, fine-tuned the hyperparameters and evaluated the model using RMSE.

Stock Price Prediction using LSTM considering News Sentiment   Jan 2021 – Apr 2021
- Built an LSTM based prediction model in Python by leveraging historical time series data of stocks and performed sentiment analysis on The Guardian daily news using DistilBERT and utilized sentiment value as an additional factor in predicting stock market prices.

Analysis of Crime Data in Los Angeles   Mar 2021 – Apr 2021
- Designed an interactive dashboard using Tableau to observe the crime trends in Los Angeles from 2010-2019 using dataset from U.S Government Open Data Source.
  https://public.tableau.com/profile/keerthi.bhavani#!/vizhome/LACrimesDashboard_16200788102320/FinalDashboard

CoLLearn Appointment scheduling and interaction platform   Sept 2019 – Dec 2019
- Created a prototype mobile application using Flutter, Node.js and MySQL for appointment scheduling between teachers and students.

ADDITIONAL EXPERIENCES

GRADUATE RESEARCH ASSISTANT, **COLLEGE OF ENGINEERING**   Sept 2021- Dec 2021
- Working on developing machine learning algorithms, large-scale sensor data analysis, and visualization for vehicle systems while collaborating with a Ph.D. student and the researchers from the industry partner to make quality and timely deliverables.

VICE PRESIDENT OF TECHNOLOGY, GRADUATE STUDENT GOVERNMENT   May 2021- April 2022
Elected as the first Vice president to chair Technology Committee to represent about 17,000 graduate students' interests.
- Spear-heading the revamping of data management processes and workflows and providing technical expertise to members of executive board. Curating long-term and short-term strategies for technological advancements through innovative applications.

GRADUATE TEACHING ASSISTANT, **KHOURY COLLEGE OF COMPUTER SCIENCES**   May 2021- Aug 2021
- Graduate level Data Management and Processing course at Khoury College focusing on python in data science.
- Working with Professor to help students academically with course related doubts and also responsible for grading their assignments.