# EDUCATION

Bindu Latha Banisetti

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**MASTER OF SCIENCE IN DATA SCIENCE** Boston, MA | Dec 2023

Northeastern University

**BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE ENGINEERING** Vijayawada, India | Mar 2013

V R Siddhartha Engineering College

# SKILLS

Deep Learning Architectures: YOLO, Mask-RCNN, U-Net, ResNet, and LSTM

Machine Learning Algorithms: Anomaly Detection, Recommendation Systems, Logistic Regression, and Linear Regression

Data Science stack: Python (Numpy, Pandas), Scikit-learn, TensorFlow, PyTorch, R, and Matplotlib

Platforms: GCP, AWS, Git, Colab, and Jupyter Notebook, RStudio WORK EXPERIENCE

**DATA SCIENTIST INTERN** | Spare-it Boston, MA | Jan 2023 – Aug 2023

* Collaborated with Google to use the pre-trained CircularNet Mask R-CNN model through Transfer Learning.
* Reduced 90% of time taken in identifying objects manually by performing computer vision task of instance segmentation.
* Set up data pipeline by developing Lambda functions through AWS CDK, used Sagemaker to invoke the model for inference.

**GOOGLE CLOUD DATA ENGINEER** | Datametica Pune, India | Aug 2018 - Dec 2021

* Reduced 60% of runtime by migrating existing Netezza/ Redshift/ PySpark/ MySQL ETL/DWH workflows into BigQuery.
* Recognized by senior managers for optimizing the runtime by 30% with pruning, partitioning, bucketing while extracting valuable insights from complex datasets.
* Carried out data preprocessing and data integration by building entire data-pipelines to perform ETL and data analytics.
* Managed a team of 4 people and conducted various knowledge transfer sessions for seamless functioning.

**ASSOCIATE CONSULTANT** | Capgemini Hyderabad, India | Oct 2016 – Jul 2018

* Accomplished Product/Custom menu customizations for the banking product Finacle using finacle scripting and javascript.
* Resolved more than 70 tickets while engaging directly with the stakeholders and product users.
* Mentored and led a team of 3 junior colleagues for implementing customizations.

**SYSTEMS ENGINEER** | Infosys Hyderabad, India | Mar 2014 – Sep 2016

* Created about 6 jasper reports for generating daily/monthly account statements in Finacle.
* Implemented enhancements and collaborated with cross functional teams for data designing and development.
* Executed ChangeRequests, bug-fixing in the product code, sanity testing and documentations.

# PROJECTS

**FAKE NEWS DETECTION** NLP, NLTK, GloVe, RNN, LSTM

* Performed statistical analysis and NLP analysis including data cleaning, tokenizing, vectorization and detected the fake news using different Supervised and Deep Learning models.
* Achieved an accuracy of 92% on the validation set and 88% on the test set, indicating the model’s effectiveness in distinguishing between fake and real news articles.

**HEAVY DRINKING DETECTION** Time Series Analysis, SVM, Random forests, CNN, LSTM

* Employed time-series analysis and feature extraction on accelerometer data, accurately classifying intoxication level as ’intoxicated’ or ’sober’.
* Achieved an accuracy of 85% on the validation set, demonstrating the model’s ability to accurately detect heavy drinking episodes based on accelerometer data.

**CREATIVE WRITING COLLABORATOR USING GPT-3** Transformer, Large Language Models

* Developed a platform where writers can collaborate with GPT-3 to brainstorm ideas, refine plots, and overcome writer’s block. Enabled the model to suggest plot twists, character developments, and dialogues.
* Enhanced the creativity and productivity of writers, as evidenced by a 25% increase in word output and positive feedback from users.

**MOVIE RECOMMENDER SYSTEM** Content-based collaborative filtering

* Built a movie recommender engine using weighted ratings, content based, sentiment based and collaborative filtering methods.
* Achieved an RMSE of 0.85 on the validation set, indicating the model’s ability to predict user ratings accurately.

# CERTIFICATIONS & AWARDS

* Machine Learning Specialization and Deep Learning Specialization certification from Deeplearning.ai.
* Google Certified Professional Data Engineer.
* Endowed with StarAward in Datametica for successful deployments following CI/CD pipelines.