

Adithya Chenthilkannan

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- <https://github.com/adithya123> • Authorized to work in the US

Education

Master of Science, Data Science

Northeastern University, **Khoury College of Computer Sciences**, Boston, Massachusetts

Expected May 2023

- GPA: 3.6 / 4.0.
- Graduate Teaching Assistant – programming for Data Science.

Bachelor of Engineering, Computer Science and Engineering

Anna University, Chennai, India

May 2021

- CGPA: 8.3/10, Subject Topper | Engineering Mathematics, Calculus & Statistics.

Professional Experience

Intern Data Scientist - Natural Hazards Research Team

May 2022 – September 2022

FM Global, Norwood, Massachusetts, USA.

- Fulfilled role as Data Scientist for the Natural Hazards Research team and led research on Hail mapping, and drought modeling and prediction.
- Researched and established an actionable link between Meteorological Hail data and Hailstorm tweets from Twitter.
- Designed an end-to-end NLP pipeline Using XGBoost Algorithm for Hailstorm mapping and prediction, and built an Automated Data collection script from social media sources.

AI Research Intern

May 2019 - June 2019

Bennett University, Noida, India

- Researched various ML and Deep learning models to predict future sales of products, leveraging algorithms such as Random Forest, LSTM, and XGBoost. Devised a prediction system on Random Forest ML model.

ML Engineering Intern

November 2018 - December 2018

Quantiphi Inc., Mumbai, India

- Analyzed qualitative data about buyers collected from various sources and found the right ML algorithm to accurately model consumption patterns. Aided in designing the right marketing strategy to maximize ROI.

Software Developer Intern

May 2018 - June 2018

TechMahindra Limited, Chennai, India

- Analytics on Rejected warranty claims for an American Automaker- designed automated adjudication using UiPath & Python.
- Validated and enhanced global ONE warranty application, resulting in 90% operational cost savings.

Projects

- Development of models for Auto-coding Injury cause description. Developing Natural Language Processing Model trained on human injury description to classify Insurance codes. Chose the best models and processing by running detailed ablation study.
- Multi-class Multi-label Image classification on chest X-ray of lung diseases. A comparative study using Deep Neural Networks - ResNets, VGG16, Desncenet151, and ML models such as Multinomial Logistic Regression, Random Forest, and Extra tree classifier.
- Covid symptoms and misinformation education CHATBOT. Using pre-trained NLP models for context detection, run on Google cloud.
- Created a web-based pharmacy management system and Recommendation system for modern pharmacies leveraging PHP, and No-SQL.

Skills

Machine Learning | Deep learning
Data visualization – Excel, Tableau.
Computer Vision – Image Classification and Segmentation.
Data Analysis/Exploratory Data analysis.
Pytorch | Git | AWS, Google Cloud.

AWS cloud architect certification.
Python - Pandas NumPy, sci-kit learn, Keras, TensorFlow.
Web development – JavaScript, PHP | Databases - MySQL, MongoDB.
Data Management - MySQL, NoSQL (MongoDB).

Awards & Certification

Healthcare marketplace, Drug Discovery Course -Coursera
AI for Medicine Specialization – Coursera, Deeplearning.ai
Nvidia ML and Deep-learning certification
Udemy-Web development certification
AWS cloud architecting certificate

Fundamentals of Big Data workshop/certification
National level Innovation Award - Smart India Hackathon
Winner. | Inter College Web Dev Symposium
Trinity College, London Grade 2 Piano certificate.

Community involvement and Interest

Volunteer, Good Life Center, Chennai, India – Educating
underprivileged children. 2010-Till Date

Coffee connoisseur | Trained in Martial Arts | Under 18
tennis player YMCA Chennai.