Kaushik Tummalapalli

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Education

New York University **Sep'22 – (Expected) May'24**
Masters of Science in Computer Engineering, 4.0/4.0 GPA *Brooklyn, New York*
Coursework: Data Science, Machine Learning, Deep Learning, Big Data, Computing Systems Architecture.

BV Raju Institute of Technology, Narsapur **Aug'18 – May'22**
Bachelors of Technology in Computer Science and Engineering, 8.38/10 GPA *Hyderabad, India*
Coursework: Data Structures and Algorithms, Statistics, Object Oriented Design, Data Base Systems.

Skills

Languages/Domains: Python, Java, SQL [MySQL, Mongo DB], R, Machine Learning, Big Data, C
Developer Tools: AWS Cloud, Azure, Rest API, CI/CD, Visual Studio, Git, Docker, Jupyter, Unit tests
Libraries/Frameworks: Pytorch, Pandas, Tableau, ETL, Scikit–learn, REST APIs, MLOPS, Spark, Numpy

Experiences

New York University - Center for Data Science **Jan'23 – (Expected) May'23**
Section Leader (Graduate Adjunct)
- Conducting recitation classes for 150+ students in the Foundations of Machine Learning course at NYU Courant, emphasizing on hands-on teaching techniques.
- Collaborating with Professor Pascal on the Machine Learning course and hosting office hours for the students.

Zemoso Technologies **Dec'21 – May'22**
Software Developer Intern(Web Services, Database)
- Designed and implemented a comprehensive Blinkist-style web application software with an extensive test case coverage of over 85 Percent.
- Focused on front-end development utilizing JavaScript and React, incorporating Test-Driven Development practices for enhanced code quality and efficiency.
- Engineered complete Software Development Life Cycle (SDLC), and worked cross functionally with engineers and UX.

Carnegie Mellon University (CMKL - Thailand) **Jun'21 – Aug'21**
Research Intern(Machine Learning, Data Collection)
- Improved existing data pipeline results as a part of the masking task to 90 Percent Accuracy for model development.
- Extracted the images from the video source using FFmpeg and created annotations using labelImg for two different warehouses for the raw data to the model and used MATLAB for masking various warehouses.

Omdena **Aug'20 – Jan'21**
Machine Learning Engineer and Volunteer
- Designed custom Machine Learning and Deep learning models (Neural Nets) for Improving the Lives of Cancer Patients by Identifying Non-Cancer Generic Drugs and Modeling the Economic Well-Being through Satellite Imagery.
- Utilized LabelBox to gather a diverse range of labels as part of a NLP project on extracting crucial information.

Microsoft Learn Student Ambassador **Jul'20 – Dec'21**
Beta Student Ambassador
- Hosted 5+ sessions on Data Science, Data Analytics and Azure ML Lab for 50+ students virtually for campus students.
- Exhibited strong leadership skills as the Product Manager, guiding a team of 15 members in Chatbots MTC.

Projects

Starbucks Recommendation System **Project Link**
- Implemented FUNKSVD algorithm to recommend the current user about best selling offers and also recommend new customers[Mean Squared error of 0.003823 for 15 latent features.]
- This project helps us to understand how people make purchases from the various offers that Starbucks offers around its different locations Worldwide.

Cab Cancellation Prediction Using Machine Learning **Project Link**
- Estimates the cancellation rate of a cab at the current time of booking based on the previous data by EDA(Exploratory Data Analysis) with 85 Percent Accuracy.
- Used various machine learning algorithms like Decision trees, Logistic Regression, and Support Vector Machines.

Awards/Certifications

PyData NYC 2022 and 2023: Student Volunteer for PyData NYC 2022 event.
Global AI Students Conference: Speaker(Recommendation Systems in everyday lives and its types.)
Github: Arctic Code Vault Contributor(open source developer/contributor)